

WO 2004/038376

PCT/US2003/033946

- 36834_at Cluster Incl. AL080058:Homo sapiens mRNA; cDNA DKFZp564G202 (from clone
- 36856_at Cluster Incl. W28743:51a9 Homo sapiens cDNA /gb=W28743 /gi=1308691 /ug=
- 39007_at Cluster Incl. M55593:Human collagenase type IV (CLG4) gene /cds=(289,22
- 5 39409_at Cluster Incl. M14058:Human complement C1r mRNA, complete cds /cds=(63,2
- 39775_at Cluster Incl. X54486:Human gene for C1-inhibitor /cds=(60,1562) /gb=X54
- 40496_at Cluster Incl. J04080:Human complement component C1r mRNA, complete cds
- 40856_at Cluster Incl. U29953:Human pigment epithelium-derived factor gene, comp
- 32193_at Cluster Incl. AF030339:Homo sapiens receptor for viral semaphorin prote
- 10 32249_at Cluster Incl. M65292:Human factor H homologue mRNA, complete cds /cds=(
- 32250_at Cluster Incl. X07523:Human mRNA for truncated form of complement factor
- 37402_at Cluster Incl. D26129:Human mRNA for ribonuclease A (RNase A), complete
- 38057_at Cluster Incl. AL049798:Human DNA sequence from clone 797M17 on chromoso
- 38059_g_at Cluster Incl. Z22865:H.sapiens dermatopontin mRNA, complete CDS /cds=
- 15 38379_at Cluster Incl. X76534:H.sapiens NMB mRNA /cds=(91,1773) /gb=X76534 /gi=6
- 38487_at Cluster Incl. D87433:Human mRNA for KIAA0246 gene, partial cds /cds=(0,
- 1375_s_at M32304 /FEATURE= /DEFINITION=HUMMET Human metalloproteinase
- inhibitor
- 20 METAGENE 209 :
- 33235_at Cluster Incl. AB023155:Homo sapiens mRNA for KIAA0938 protein, complete
- 34257_at Cluster Incl. AB014605:Homo sapiens mRNA for KIAA0705 protein, complete
- 37983_at Cluster Incl. S77410:type 1 angiotensin II receptor [human, liver, mRNA
- 25 33158_at Cluster Incl. M97252:Homo sapiens Kallmann syndrome (KAL) mRNA, complet
- 346_s_at D13814 /FEATURE= /DEFINITION=HUMAGRT1B Homo sapiens mRNA for
- angiotensi
- METAGENE 210 :
- 30
- 36432_at Cluster Incl. AL079298:Homo sapiens mRNA full length insert cDNA clone
- 39663_at Cluster Incl. D63998:Human mRNA for golgi alpha-mannosidaseII, complete
- 33741_at Cluster Incl. AI741756:wg22e12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35217_at Cluster Incl. AL049404:Homo sapiens mRNA; cDNA DKFZp586F0219 (from
- 35 clon
- 37215_at Cluster Incl. AF046798:untitled /cds=(113,2656) /gb=AF046798 /gi=317040
- 37252_at Cluster Incl. U44755:Human PSE-binding factor PTF delta subunit mRNA, c
- 38610_s_at Cluster Incl. X14487:Human gene for acidic (type I) cytokeratin 10 /c
- 40151_s_at Cluster Incl. Z48054:H.sapiens mRNA for peroxisomal targeting signal

- 32153_s_at Cluster Incl. U49869:Human ubiquitin gene, complete cds /cds=(94,783)
- 33918_s_at Cluster Incl. AJ223349:Homo sapiens mRNA for HIRIP3 protein, clone pH
- 34404_at Cluster Incl. W28167:43a1 Homo sapiens cDNA /gb=W28167 /gi=1308115 /ug=
- 35322_at Cluster Incl. D50922:Human mRNA for KIAA0132 gene, complete cds /cds=(1
- 5 36128_at Cluster Incl. L40397:Homo sapiens (clone S31i125) mRNA, 3 end of cds /
- 37715_at Cluster Incl. AF045184:Homo sapiens nuclear receptor coactivator NCoA-6
- 39133_at Cluster Incl. AI525379:PT1.1_06_H01.r Homo sapiens cDNA, 5 end /clone_
- 39178_at Cluster Incl. L10333:Homo sapiens neuroendocrine-specific protein A (NS
- 40274_at Cluster Incl. U48213:Human D-site binding protein gene, promoter region
- 10 40903_at Cluster Incl. AL049929:Homo sapiens mRNA; cDNA DKFZp547O0510 (from
clon
- 1433_g_at U68019 /FEATURE= /DEFINITION=HSU68019 Homo sapiens mad protein
homolog
- 15 METAGENE 211 :
- 34162_at Cluster Incl. D84111:Homo sapiens mRNA for RBP-MS/type 5, partial cds /
- 34163_g_at Cluster Incl. D84111:Homo sapiens mRNA for RBP-MS/type 5, partial cds
- 38047_at Cluster Incl. D84109:Homo sapiens mRNA for RBP-MS/type 3, complete cds
- 20 38049_g_at Cluster Incl. D84110:Homo sapiens mRNA for RBP-MS/type 4, complete cd
- 1276_g_at D84110 /FEATURE= /DEFINITION=D84110 Homo sapiens mRNA for RBP-
MS/type
- METAGENE 212 :
- 25
- 36253_at Cluster Incl. AI131030:qb82f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 37146_at Cluster Incl. AB007864:Homo sapiens KIAA0404 mRNA, partial cds /cds=(0,
- 39211_at Cluster Incl. AF091080:Homo sapiens clone 614 unknown mRNA, complete se
- 39675_at Cluster Incl. AF009243:Homo sapiens proline-rich Gla protein 2 (PRGP2)
- 30 41622_r_at Cluster Incl. AA868898:ak55b08.s1 Homo sapiens cDNA, 3 end /clone=IM
- 32058_at Cluster Incl. AF070594:Homo sapiens clone 24570 HNK-1 sulfotransferase
- 33287_at Cluster Incl. AA533071:nj19e03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33289_f_at Cluster Incl. D88827:Homo sapiens mRNA for zinc finger protein FPM315
- 34661_at Cluster Incl. AB002348:Human mRNA for KIAA0350 gene, partial cds /cds=(
- 35 36520_at Cluster Incl. AB014590:Homo sapiens mRNA for KIAA0690 protein, partial
- 38000_at Cluster Incl. S72370:pyruvate carboxylase [human, kidney, mRNA, 4017 nt
- 38971_r_at Cluster Incl. AJ011896:Homo sapiens mRNA for HIV-1, Nef-associated fa
- 40123_at Cluster Incl. D87435:Human mRNA for KIAA0248 gene, partial cds /cds=(0,
- 34858_at Cluster Incl. D79998:Human mRNA for KIAA0176 gene, partial cds /cds=(0,

- 35791_at Cluster Incl. AF038961:Homo sapiens SL15 protein mRNA, complete cds /cd
 38845_at Cluster Incl. R89044:ym99b08.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 39896_at Cluster Incl. AB011149:Homo sapiens mRNA for KIAA0577 protein, complete
 1171_s_at Transcription Factor Oct-1a/1b, Alt. Splice 2, Oct-1b
 5 465_at U74667 /FEATURE= /DEFINITION=HSU74667 Human tat interactive protein (TIP6

METAGENE 213 :

- 38219_at Cluster Incl. D10656:Human mRNA for CRK-II, complete cds /cds=(105,1019
 10 38226_at Cluster Incl. W27152:23h11 Homo sapiens cDNA /gb=W27152 /gi=1306731 /ug
 39708_at Cluster Incl. L29277:Homo sapiens DNA-binding protein (APRF) mRNA, comp
 33417_at Cluster Incl. D31886:Human mRNA for KIAA0066 gene, partial cds /cds=(0,
 38757_at Cluster Incl. U41745:Human PDGF associated protein mRNA, complete cds /
 39810_at Cluster Incl. AC005253:Homo sapiens chromosome 19, cosmid R26445 /cds=(
 15 40935_at Cluster Incl. W28516:47h7 Homo sapiens cDNA /gb=W28516 /gi=1308464 /ug=
 41528_at Cluster Incl. W72239:zd62h08.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 2049_s_at M29039 /FEATURE=cds /DEFINITION=HUMJUNCAA Human transactivator
 (jun-B)
 1856_at X75042 /FEATURE=cds /DEFINITION=HSRNAREL H.sapiens rel proto-oncogene mR
 20 1747_at AD000092 /FEATURE=cds#2 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro
 1750_at AD000092 /FEATURE=cds#5 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro
 1753_s_at AD000092 /FEATURE=cds#7 /DEFINITION=CH19HHR23 Homo sapiens DNA
 from ch
 835_at U41745 /FEATURE= /DEFINITION=HSU41745 Human PDGF associated protein mRNA,
 25 476_s_at U50079 /FEATURE= /DEFINITION=HSU50079 Human histone deacetylase HD1
 mRN
 422_s_at X66867 /FEATURE=cds#2 /DEFINITION=HSMAXG H.sapiens max gene
 399_at X99325 /FEATURE=cds /DEFINITION=HSSTE20 H.sapiens mRNA for Ste20-like kin
 289_at L29277 /FEATURE= /DEFINITION=HUMAPRF Homo sapiens DNA-binding protein (AP
 30 108_g_at Z95624 /FEATURE=cds /DEFINITION=HSU237H1 Human DNA sequence from
 cosmid
 160044_g_at NM_001098 /FEATURE=mRNA /DEFINITION=Homo sapiens aconitase 2,
 mitoch

35 METAGENE 214 :

- 37600_at Cluster Incl. U68186:Human extracellular matrix protein 1 mRNA, complet
 37614_g_at Cluster Incl. X63578:H.sapiens gene for parvalbumin /cds=(77,403) /gb
 39352_at Cluster Incl. S70585:thyroid-stimulating hormone alpha subunit [human,

METAGENE 215 :

- 5 39607_at Cluster Incl. AL080178:Homo sapiens mRNA; cDNA DKFZp434K171 (from clone
- 41672_at Cluster Incl. AF007128:Homo sapiens clone 23870 mRNA sequence /cds=UNKN
- 31869_at Cluster Incl. AB014540:Homo sapiens mRNA for KIAA0640.protein, partial
- 38267_at Cluster Incl. AI928365:wo96d08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32846_s_at Cluster Incl. D13629:Human mRNA for KIAA0004 gene, complete cds /cds=
- 10 35327_at Cluster Incl. U54559:Homo sapiens translation initiation factor eIF3 p4
- 37709_at Cluster Incl. M86934:Human GS1 (protein of unknown function) mRNA, comp

METAGENE 216 :

- 15 39610_at Cluster Incl. X16665:Human HOX2H mRNA from the Hox2 locus /cds=(78,1148
- 33219_at Cluster Incl. AB029020:Homo sapiens mRNA for KIAA1097 protein, partial
- 34728_g_at Cluster Incl. AI800578:wg12b07.x1 Homo sapiens cDNA, 3 end /clone=IM
- 35187_at Cluster Incl. AL080216:Homo sapiens mRNA; cDNA DKFZp586K1123 (from clon
- 20 35340_at Cluster Incl. AI819948:wj88e11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 39814_s_at Cluster Incl. AI052724:oz27a12.x1 Homo sapiens cDNA, 3 end /clone=IM

METAGENE 217 :

- 25 34494_at Cluster Incl. AJ003125:Homo sapiens mRNA for procollagen I-N proteinase
- 37823_at Cluster Incl. Y16645:Homo sapiens mRNA for monocyte chemotactic protein
- 40310_at Cluster Incl. AF051152:Homo sapiens Toll/interleukin-1 receptor-like pr
- 41870_at Cluster Incl. AF030428:Homo sapiens lung type-I cell membrane-associate
- 34217_at Cluster Incl. AB015132:Homo sapiens UKLF mRNA for ubiquitous Kruppel li
- 30 37542_at Cluster Incl. D86961:Human mRNA for KIAA0206 gene, partial cds /cds=(0,
- 38819_at Cluster Incl. U33635:Human colon carcinoma kinase-4 (CCK4) mRNA, comple
- 760_at Y09216 /FEATURE= /DEFINITION=HSDYRK2 H.sapiens mRNA for protein kinase, D
- 160023_at X07876 /FEATURE=cds /DEFINITION=HSIRP Human mRNA for irp protein (int-

35

METAGENE 218 :

- 32909_at Cluster Incl. U46569:Human aquaporin-5 (AQP5) gene /cds=(0,797) /gb=U46
- 39253_s_at Cluster Incl. M29893:Human low molecular mass GTP-binding protein (ra

- 39267_at Cluster Incl. AF102265:Homo sapiens N-acetylglucosamine-phosphate mutas
 33796_at Cluster Incl. U73960:Human ADP-ribosylation factor-like protein 4 mRNA,
 37534_at Cluster Incl. Y07593:H.sapiens mRNA for 46 kDa coxsackievirus and adeno
 39338_at Cluster Incl. AI201310:qf71b11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
5 33402_at Cluster Incl. AL035081:H.sapiens mRNA similar to Xenopus laevis mRNA fo
 35367_at Cluster Incl. AB006780:Homo sapiens mRNA for galectin-3, complete cds /
 36192_at Cluster Incl. D83777:Human mRNA for KIAA0193 gene, complete cds /cds=(3
 1877_g_at Guanine Nucleotide-Binding Protein Ral, Ras-Oncogene Related
- 10** METAGENE 219 :
- 36354_at Cluster Incl. AL049689:Novel human mRNA from chromosome 1, similar to T
 39271_at Cluster Incl. AA461365:zx70e07.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 39577_at Cluster Incl. AL050024:Homo sapiens mRNA; cDNA DKFZp564D206 (from
15 clone
 40017_at Cluster Incl. AL050214:Homo sapiens mRNA; cDNA DKFZp586H2123 (from
 clon
 40304_at Cluster Incl. M69225:Human bullous pemphigoid antigen (BPAG1) mRNA, com
 40339_at Cluster Incl. U95367:Human GABA-A receptor pi subunit mRNA, complete cd
20 41618_at Cluster Incl. M91669:Human Bullous pemphigoid autoantigen BP180 gene, 3
 33272_at Cluster Incl. AA829286:of08a01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 36018_at Cluster Incl. AJ001183:Homo sapiens mRNA for Sox10 protein /cds=(120,15
 36838_at Cluster Incl. AF055481:Homo sapiens normal epithelial cell-specific 1 (
 36929_at Cluster Incl. U17760:Human laminin S B3 chain (LAMB3) gene /cds=(399,39
25 37582_at Cluster Incl. X07696:Human mRNA for cytokeratin 15 /cds=(61,1431) /gb=X
 37954_at Cluster Incl. X16662:Human mRNA for vascular anticoagulant-beta (VAC-be
 39052_at Cluster Incl. J00124:Homo sapiens 50 kDa type I epidermal keratin gene,
 34301_r_at Cluster Incl. Z19574:H.sapiens gene for cytokeratin 17 /cds=(64,1362)
 34820_at Cluster Incl. M57399:Human nerve growth factor (HBNF-1) mRNA, complète
30 35280_at Cluster Incl. Z15008:H.sapiens mRNA for laminin /cds=(117,3698) /gb=Z15
 32521_at Cluster Incl. AF056087:Homo sapiens secreted frizzled related protein m
 1898_at L24203 /FEATURE= /DEFINITION=HUMDK Homo sapiens ataxia-telangiectasia gr
 862_at U04313 /FEATURE= /DEFINITION=HSU04313 Human maspin mRNA, complete cds
 668_s_at L22524 /FEATURE=expanded_cds /DEFINITION=HUMMATRY06 Human
35 matrilysin ge
 613_at M21389 /FEATURE=mRNA /DEFINITION=HUMKER2A Human keratin type II (58 kD)
 m

METAGENE 220 :

33792_at Cluster Incl. AF043498:Homo sapiens prostate stem cell antigen (PSCA) m
 37185_at Cluster Incl. Y00630:Human mRNA for Arg-Serpin (plasminogen activator-i
 41163_at Cluster Incl. AL109672:Homo sapiens mRNA full length insert cDNA clone

5

METAGENE 221 :

34625_at Cluster Incl. X05153:Human alpha-lactalbumin gene /cds=(26,454) /gb=X05
 36852_at Cluster Incl. U42349:Human N33 mRNA, complete cds /cds=(157,1203) /gb=U
 10 39351_at Cluster Incl. M84349:Human transmembrane protein (CD59) gene /cds=(18,4
 39717_g_at Cluster Incl. AI597616:tn15f08.x1 Homo sapiens cDNA, 3 end /clone=IM
 40475_at Cluster Incl. AJ000388:Homo sapiens mRNA for calpain-like protease CANP
 35738_at Cluster Incl. AI347088:qp60d09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 36196_at Cluster Incl. U24183:Human phosphofructokinase (PFKM) mRNA, complete cd
 15 37707_i_at Cluster Incl. M81118:Human alcohol dehydrogenase chi polypeptide (ADH
 38797_at Cluster Incl. D31887:Human mRNA for KIAA0062 gene, partial cds /cds=(0,
 40213_at Cluster Incl. M88163:Human global transcription activator homologous se
 1389_at J03779 /FEATURE=mRNA /DEFINITION=HUMCALLA Human common acute
 lymphoblast

20

METAGENE 222 :

36792_at Cluster Incl. Z24727:H.sapiens tropomyosin isoform mRNA, complete CDS /
 32094_at Cluster Incl. AB017915:Homo sapiens mRNA for condoroitin 6-sulfotransfe
 25 36536_at Cluster Incl. AF070614:Homo sapiens clone 24732 unknown mRNA, partial c
 36543_at Cluster Incl. J02931:Human placental tissue factor (two forms) mRNA, co
 38692_at Cluster Incl. AF045451:Homo sapiens transcriptional regulatory protein
 39329_at Cluster Incl. X15804:Human mRNA for alpha-actinin /cds=(198,2876) /gb=X
 39691_at Cluster Incl. AB007960:chromosome 1 specific transcript KIAA0491 /cds=U
 30 40109_at Cluster Incl. J03161:Human serum response factor (SRF) mRNA, complete c
 32260_at Cluster Incl. X86809:H.sapiens mRNA for major astrocytic phosphoprotein
 33876_at Cluster Incl. AL050107:Homo sapiens mRNA; cDNA DKFZp586I1419 (from clon
 34403_at Cluster Incl. U58516:Human breast epithelial antigen BA46 mRNA, complet
 34818_at Cluster Incl. X96381:H.sapiens erm gene, exon 2,3,4,5 (and joined CDS)
 35 37745_s_at Cluster Incl. U15780:Human p82 (ST5) mRNA, alternatively spliced, com
 38421_at Cluster Incl. AF070546:Homo sapiens clone 24607 mRNA sequence /cds=UNKN
 39098_at Cluster Incl. X52896:H.sapiens RNA for dermal fibroblast elastin /cds=U
 39170_at Cluster Incl. AL049957:Homo sapiens mRNA; cDNA DKFZp564J0323 (from clon
 40279_at Cluster Incl. D50911:Human mRNA for KIAA0121 gene, complete cds /cds=(4

METAGENE 223 :

- 40755_at Cluster Incl. X92841:H.sapiens MICA gene /cds=(39,1196) /gb=X92841 /gi=
5 32623_at Cluster Incl. AJ225028:Homo sapiens mRNA for GABA-B R1a receptor /cds=(
 35352_at Cluster Incl. AB002305:Human mRNA for KIAA0307 gene, complete cds /cds=
 33169_at Cluster Incl. U61262:Human neogenin mRNA, complete cds /cds=(136,4521)
 631_g_at L39874 /FEATURE=expanded_cds /DEFINITION=HUMDODDA Homo sapiens
 deoxycyt

10

METAGENE 224 :

- 35408_i_at Cluster Incl. X16281:Human mRNA for zinc finger protein (clone 431) /
 33314_at Cluster Incl. U69141:Human glutaryl-CoA dehydrogenase mRNA, complete cd
15 34291_at Cluster Incl. U07424:Human putative tRNA synthetase-like protein mRNA,
 35135_at Cluster Incl. X13956:Human 12S RNA induced by poly(rI), poly(rC) and Ne
 38311_at Cluster Incl. AF055012:Homo sapiens clone 24615 mRNA sequence /cds=UNKN
 39729_at Cluster Incl. L19185:Human natural killer cell enhancing factor (NKEFB)
 41197_at Cluster Incl. D21235:Human mRNA for HHR23A protein, complete cds /cds=(
20 36623_at Cluster Incl. AB011406:Homo sapiens mRNA for alkaline phosphatase, compl
 37721_at Cluster Incl. U79262:Human deoxyhypusine synthase mRNA, complete cds /c
 37722_s_at Cluster Incl. U26266:Human deoxyhypusine synthase mRNA, complete cds
 1751_g_at AD000092 /FEATURE=cds#5 /DEFINITION=CH19HHR23 Homo sapiens DNA
 from ch

25

METAGENE 225 :

- 38545_at Cluster Incl. M31682:Human testicular inhibin beta-B-subunit mRNA, 3 e
 36502_at Cluster Incl. AB020641:Homo sapiens mRNA for KIAA0834 protein, complete
30 33878_at Cluster Incl. W27472:31d4 Homo sapiens cDNA /gb=W27472 /gi=1307276 /ug=
 36937_s_at Cluster Incl. U90878:Homo sapiens carboxyl terminal LIM domain protei

METAGENE 226 :

- 35** 33630_s_at Cluster Incl. AF026488:Homo sapiens beta III spectrin (SPTBN2) mRNA,
 38138_at Cluster Incl. D38583:Human mRNA for calgizzarin, complete cds /cds=(120
 38161_at Cluster Incl. Y09022:H.sapiens mRNA for Not56-like protein /cds=(31,134
 38172_at Cluster Incl. AB003151:Homo sapiens DNA, chromosome 21q22.2, PAC clone
 39262_at Cluster Incl. U79266:Human clone 23627 mRNA, complete cds /cds=(184,104

	39651_at	Cluster Incl. AB006532:Homo sapiens RecQ4 mRNA for DNA helicase, comple
	40695_at	Cluster Incl. J05272:Human IMP dehydrogenase type 1 mRNA complete cds /
	41037_at	Cluster Incl. U63824:Human transcription factor RTEF-1 (RTEF1) mRNA, co
	31858_at	Cluster Incl. X07315:Human gene for PP15 (placental protein 15) /cds=(9
5	32028_at	Cluster Incl. U85773:Human phosphomannomutase (PMM2) mRNA, complete cds
	32702_at	Cluster Incl. U04810:Human tastin mRNA, complete cds /cds=(110,2446) /g
	33282_at	Cluster Incl. U42408:Human ladinin (LAD) mRNA, complete cds /cds=(219,1
	33307_at	Cluster Incl. AL022316:Human DNA sequence from clone 126B4 on chromosom
	35620_at	Cluster Incl. AF043250:Homo sapiens mitochondrial outer membrane protei
10	35714_at	Cluster Incl. U89606:Human pyridoxal kinase mRNA, complete cds /cds=(6,
	35723_at	Cluster Incl. D16581:Human mRNA for 8-oxo-dGTPase, complete cds /cds=(2
	37945_at	Cluster Incl. U91316:Human acyl-CoA thioester hydrolase mRNA, complete
	38618_at	Cluster Incl. AC002073:Human PAC clone DJ515N1 from 22q11.2-q22 /cds=(0
	39020_at	Cluster Incl. U82938:Human CD27BP (Siva) mRNA, complete cds /cds=(252,8
15	39059_at	Cluster Incl. AF034544:Homo sapiens delta7-sterol reductase mRNA, compl
	39062_at	Cluster Incl. AL008726:dJ337O18.2 (Lysosomal Protective Protein precurs
	39074_at	Cluster Incl. U79241:Human clone 23759 mRNA, partial cds /cds=(0,1315)
	39704_s_at	Cluster Incl. L17131:Human high mobility group protein (HMG-I(Y)) gen
	41732_at	Cluster Incl. AA310786:EST181572 Homo sapiens cDNA, 5 end /clone=ATCC-
20	32186_at	Cluster Incl. M80244:Human E16 mRNA, complete cds /cds=(310,1035) /gb=M
	32229_at	Cluster Incl. AF038957:Homo sapiens translation initiation factor 4e mR
	34865_at	Cluster Incl. AI360249:qy84f07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35326_at	Cluster Incl. AF004876:Homo sapiens 54TmP (54tm) mRNA, complete cds /cd
	36185_at	Cluster Incl. D32050:Human mRNA for alanyl-tRNA synthetase, complete cd
25	36678_at	Cluster Incl. D21261:Human mRNA for KIAA0120 gene, complete cds /cds=(7
	38414_at	Cluster Incl. U05340:Human p55CDC mRNA, complete cds /cds=(110,1609) /g
	38808_at	Cluster Incl. D64154:Human mRNA for Mr 110,000 antigen, complete cds /c
	39812_at	Cluster Incl. X79865:H.sapiens Mrp17 mRNA /cds=(137,733) /gb=X79865 /gi
	40195_at	Cluster Incl. X14850:Human H2A.X mRNA encoding histone H2A.X /cds=(73,5
30	40619_at	Cluster Incl. M91670:Human ubiquitin carrier protein (E2-EPF) mRNA, com
	32536_at	Cluster Incl. Z37986:H.sapiens mRNA for phenylalkylamine binding protei
	33206_at	Cluster Incl. C18655:C18655 Homo sapiens cDNA, 5 end /clone=GEN-565G08
	2028_s_at	M96577 /FEATURE= /DEFINITION=HUME2F Homo sapiens (E2F-1) pRB-
	binding p	
35	1196_at	D00591 /FEATURE=exons#7-14 /DEFINITION=HUMRCC1 Homo sapiens RCC1 gene, e
	893_at	M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier protein (E2
	894_g_at	M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier
	protein (

480_at U56816 /FEATURE= /DEFINITION=HSU56816 Human kinase Myt1 (Myt1) mRNA,
comp

160037_at Z48482 /FEATURE=cds /DEFINITION=HSMMPM2 H.sapiens mRNA for
membrane-ty

5

METAGENE 227 :

36924_r_at Cluster Incl. M25756:Human secretogranin II gene, complete cds /cds=(

39008_at Cluster Incl. M13699:Human ceruloplasmin (ferroxidase) mRNA, complete c

10 36622_at Cluster Incl. AI989422:ws25a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG

37019_at Cluster Incl. J00129:Human fibrinogen beta-chain mRNA, partial cds /cds

1713_s_at U26727 /FEATURE= /DEFINITION=HSU26727 Human p16INK4/MTS1 mRNA,
complet

15 METAGENE 228 :

31790_at Cluster Incl. AL049801:Novel human gene mapping to chromosome 13, simila

31862_at Cluster Incl. L20861:Homo sapiens proto-oncogene (Wnt-5a) mRNA, complet

36925_at Cluster Incl. L26336:Human heat shock protein HSPA2 gene, complete cds

20 37642_at Cluster Incl. D63877:Human mRNA for KIAA0157 gene, partial cds /cds=(0,

41747_s_at Cluster Incl. U49020:Human myocyte-specific enhancer factor 2A (MEF2A

33870_at Cluster Incl. AB029005:Homo sapiens mRNA for KIAA1082 protein, partial

36935_at Cluster Incl. M23379:Human GTPase-activating protein ras p21 (RASA) mRN

38805_at Cluster Incl. X89750:H.sapiens mRNA for TGIF protein /cds=(311,1129) /g

25 1669_at L20861 /FEATURE= /DEFINITION=HUMWNT5A Homo sapiens proto-oncogene (Wnt-5

1229_at U78556 /FEATURE= /DEFINITION=HSU78556 Human cisplatin resistance associa

1230_g_at U78556 /FEATURE= /DEFINITION=HSU78556 Human cisplatin resistance assoc

645_at L26336 /FEATURE=cds /DEFINITION=HUMHSPA2A Human heat shock protein HSPA2

30 METAGENE 229 :

37836_at Cluster Incl. AB023215:Homo sapiens mRNA for KIAA0998 protein, partial

38864_at Cluster Incl. W26851:17b12 Homo sapiens cDNA /gb=W26851 /gi=1306214 /ug

39614_at Cluster Incl. AB018345:Homo sapiens mRNA for KIAA0802 protein, partial

35 40285_at Cluster Incl. U68140:Homo sapiens nuclear VCP-like protein NVLp.2 (NVL.

31884_at Cluster Incl. L40399:Homo sapiens (clone S240ii117/zap112) mRNA, comple

33791_at Cluster Incl. Y15227:Homo sapiens mRNA for leukemia associated gene 1 /

36069_at Cluster Incl. AB007925:Homo sapiens mRNA for KIAA0456 protein, partial

37646_at Cluster Incl. D26018:Human mRNA for KIAA0039 gene, partial cds /cds=(0,

- 39067_at Cluster Incl. M27937:Human male-enhanced antigen mRNA (Mea), complete c
 39068_at Cluster Incl. L76702:Homo sapiens protein phosphatase 2A B56-delta (PP2
 1955_s_at AF035528 /FEATURE= /DEFINITION=AF035528 Homo sapiens Smad6 mRNA,
 compl
 5 782_at U93867 /FEATURE= /DEFINITION=HSU93867 Human RNA polymerase III subunit (R

METAGENE 230 :

- 34565_at Cluster Incl. X78416:H.sapiens alpha-s1-casein mRNA /cds=(49,606) /gb=X
 10 33764_at Cluster Incl. AF056085:Homo sapiens GABA-B receptor mRNA, complete cds

METAGENE 231 :

- 31849_at Cluster Incl. AB011136:Homo sapiens mRNA for KIAA0564 protein, partial
 15 39397_at Cluster Incl. M64497:Human apolipoprotein AI regulatory protein (ARP-1)
 39411_at Cluster Incl. AL080156:Homo sapiens mRNA; cDNA DKFZp434J214 (from clone
 40136_at Cluster Incl. AB014576:Homo sapiens mRNA for KIAA0676 protein, partial
 32149_at Cluster Incl. AA532495:nj54a10.s1 Homo sapiens cDNA /clone=IMAGE-996282
 36583_at Cluster Incl. U53225:Human sorting nexin 1 (SNX1) mRNA, complete cds /c
 20 36626_at Cluster Incl. X87176:H.sapiens mRNA for 17-beta-hydroxysteroid dehydrog
 38458_at Cluster Incl. L39945:Human cytochrome b5 (CYB5) gene /cds=(120,548) /gb
 38459_g_at Cluster Incl. L39945:Human cytochrome b5 (CYB5) gene /cds=(120,548) /

METAGENE 232 :

- 25
 33632_g_at Cluster Incl. AF023612:Homo sapiens Dim1p homolog mRNA, complete cds
 37826_at Cluster Incl. AF020761:Homo sapiens stimulator of Fe transport mRNA, co
 41040_at Cluster Incl. U77664:Human RNaseP protein p38 (RPP38) mRNA, complete cd
 32111_at Cluster Incl. AL050164:Homo sapiens mRNA; cDNA DKFZp586C1622 (from
 30 clon
 32647_at Cluster Incl. AF060902:Homo sapiens vesicle soluble NSF attachment prot
 32730_at Cluster Incl. AL080059:Homo sapiens mRNA; cDNA DKFZp564H142 (from
 clone
 33247_at Cluster Incl. U86782:Human 26S proteasome-associated pad1 homolog (POH1
 35 33759_at Cluster Incl. X04327:Human erythrocyte 2,3-bisphosphoglycerate mutase m
 34753_at Cluster Incl. X92396:H.sapiens mRNA for novel gene in Xq28 region /cds=
 37610_at Cluster Incl. AI765280:wi73a08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 38981_at Cluster Incl. AA203354:zx58b07.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 38992_at Cluster Incl. X64229:H.sapiens dek mRNA /cds=(33,1160) /gb=X64229 /gi=3

	40115_at	Cluster Incl. D16562:Human mRNA for ATP synthase gamma-subunit (L-type)
	40876_at	Cluster Incl. U31525:Human glycogenin mRNA, complete cds /cds=(127,1128
	41188_at	Cluster Incl. W28186:43c2 Homo sapiens cDNA /gb=W28186 /gi=1308134 /ug=
	41223_at	Cluster Incl. M22760:Homo sapiens nuclear-encoded mitochondrial cytochr
5	41750_at	Cluster Incl. D49489:Human mRNA for protein disulfide isomerase-related
	41760_at	Cluster Incl. AA978033:oa55e04.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32214_at	Cluster Incl. AF003938:Homo sapiens thioredoxin-like protein mRNA, comp
	33429_at	Cluster Incl. AL050225:Homo sapiens mRNA; cDNA DKFZp586M1523 (from clon
10	34297_at	Cluster Incl. U87460:Human putative endothelin receptor type B-like pro
	34368_at	Cluster Incl. U31814:Human transcriptional regulator homolog RPD3 mRNA,
	34383_at	Cluster Incl. AB014458:Homo sapiens hUBP mRNA for ubiquitin specific pr
	34791_at	Cluster Incl. X52882:Human t-complex polypeptide 1 gene /cds=(21,1691)
	34811_at	Cluster Incl. U09813:Human mitochondrial ATP synthase subunit 9, P3 gen
15	35303_at	Cluster Incl. U96876:Homo sapiens insulin induced protein 1 (INSIG1) ge
	35307_at	Cluster Incl. Y13286:Homo sapiens mRNA for GDP dissociation inhibitor b
	35353_at	Cluster Incl. D11094:Human mRNA for MSS1, complete cds /cds=(66,1367) /
	35751_at	Cluster Incl. U17886:Human succinate dehydrogenase iron-protein subunit
	35818_at	Cluster Incl. D00265:Homo sapiens mRNA for cytochrome c, partial cds /c
20	36163_at	Cluster Incl. L13761:Human dihydrolipoamide dehydrogenase gene /cds=(20
	36599_at	Cluster Incl. M55905:Human mitochondrial NAD(P)+ dependent malic enzyme
	36685_at	Cluster Incl. W63793:zc55a10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	37046_at	Cluster Incl. AI246726:qk40a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	37347_at	Cluster Incl. AA926959:om68h08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
25	37373_at	Cluster Incl. U27460:Human uridine diphosphoglucose pyrophosphorylase m
	37677_at	Cluster Incl. V00572:Human mRNA encoding phosphoglycerate kinase /cds=(
	37697_s_at	Cluster Incl. L08666:Homo sapiens porin (por) mRNA, complete cds and
	37740_r_at	Cluster Incl. J02683:Human ADP/ATP carrier protein mRNA, complete cds
	38123_at	Cluster Incl. D14878:Human mRNA for protein D123, complete cds /cds=(28
30	38413_at	Cluster Incl. D15057:Human mRNA for DAD-1, complete cds /cds=(66,407) /
	38435_at	Cluster Incl. U25182:Human antioxidant enzyme AOE37-2 mRNA, complete cd
	38728_at	Cluster Incl. D86978:Human mRNA for KIAA0225 gene, partial cds /cds=(0,
	38753_at	Cluster Incl. AF039022:Homo sapiens exportin t mRNA, complete cds /cds=
	38815_at	Cluster Incl. Y08999:H.sapiens mRNA for Sop2p-like protein /cds=(33,114
35	38824_at	Cluster Incl. AF039103:Homo sapiens Tat-interacting protein TIP30 mRNA,
	38846_at	Cluster Incl. AA768912:nz82h06.s1 Homo sapiens cDNA /clone=IMAGE-130201
	39086_g_at	Cluster Incl. AA768912:nz82h06.s1 Homo sapiens cDNA /clone=IMAGE-1302
	39169_at	Cluster Incl. AF054184:Homo sapiens Sec61 gamma mRNA, complete cds /cds
	40269_at	Cluster Incl. U51990:Human hPrp18 mRNA, complete cds /cds=(72,1100) /gb

- 41342_at Cluster Incl. D38076:Human mRNA for RanBP1 (Ran-binding protein 1), com
1659_s_at D78132 /FEATURE= /DEFINITION=D78132 Homo sapiens mRNA for ras-related
- 1446_at D00760 /FEATURE= /DEFINITION=HUMPSC3 Human mRNA for proteasome subunit H
- 5 1166_at D78151 /FEATURE= /DEFINITION=HUM26SPSP Human mRNA for 26S proteasome sub
890_at M74524 /FEATURE= /DEFINITION=HUMHHR6A Human HHR6A (yeast RAD 6
homologue)
- 652_g_at L07493 /FEATURE= /DEFINITION=HUM14RPA Homo sapiens replication
protein
- 10 409_at X56468 /FEATURE=mRNA /DEFINITION=HS1433 Human mRNA for 14.3.3 protein, a
160_at U43899 /FEATURE= /DEFINITION=HSU43899 Human signal transducing adaptor mo
171_at U56833 /FEATURE= /DEFINITION=HSU56833 Human VHL binding protein-1 (VBP-1)
- METAGENE 233 :
- 15 41164_at Cluster Incl. X67301:H.sapiens mRNA for IgM heavy chain constant region
41165_g_at Cluster Incl. X67301:H.sapiens mRNA for IgM heavy chain constant regi
36591_at Cluster Incl. X06956:Human HALPHA44 gene for alpha-tubulin, exons 1-3 /
2014_s_at U39064 /FEATURE= /DEFINITION=HSU39064 Human MAP kinase kinase 6
20 mRNA,
330_s_at Tubulin, Alpha 1, Isoform 44
- METAGENE 234 :
- 25 32332_at Cluster Incl. X69433:H.sapiens mRNA for mitochondrial isocitrate dehydr
40665_at Cluster Incl. M83772:Human flavin-containing monooxygenase form II (FMO
32030_at Cluster Incl. X99459:H.sapiens mRNA for sigma 3B protein /cds=(30,611)
1014_at U60325 /FEATURE= /DEFINITION=HSU60325 Human DNA polymerase gamma mRNA,
n
- 30 METAGENE 235 :
- 33974_at Cluster Incl. Y07847:H.sapiens mRNA for RRP22 protein /cds=(321,932) /g
35861_at Cluster Incl. AA018440:ze50a07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35 37138_at Cluster Incl. AB018352:Homo sapiens mRNA for KIAA0809 protein, partial
37425_g_at Cluster Incl. AB029343:Homo sapiens HCR (a-helix coiled-coil rod homo
39206_s_at Cluster Incl. X17406:Human mRNA for cartilage specific proteoglycan /
41035_at Cluster Incl. AB018318:Homo sapiens mRNA for KIAA0775 protein, complete
41414_at Cluster Incl. AL050346:Novel human gene mapping to chromosome 22 /cds=(3

41829_at Cluster Incl. AB018274:Homo sapiens mRNA for KIAA0731 protein, partial

METAGENE 236 :

- 5 35571_at Cluster Incl. AF055917:Homo sapiens protease-activated receptor 4 mRNA,
 37435_s_at Cluster Incl. U52153:Human inwardly rectifying potassium channel Kir3
 38203_at Cluster Incl. U69883:Human calcium-activated potassium channel hSK1 (SK
 38582_at Cluster Incl. AI961220:wt15b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 39283_at Cluster Incl. X83543:H.sapiens APXL mRNA /cds=(90,4940) /gb=X83543 /gi=
 10 33220_at Cluster Incl. Z11773:Homo sapiens mRNA for SRE-ZBP /cds=(0,1226) /gb=Z1
 38032_at Cluster Incl. AB018279:Homo sapiens mRNA for KIAA0736 protein, complete
 1464_at S73149 /FEATURE=mRNA /DEFINITION=S73149 insulin-like growth factor II {i
 917_g_at L18983 /FEATURE=mRNA /DEFINITION=HUMTYROPHO Homo sapiens
 tyrosine phosph

15

METAGENE 237 :

- 32996_g_at Cluster Incl. AC003079:Human BAC clone GS303P24 from 7q21-22 /cds=(0,
 37186_s_at Cluster Incl. U11863:Human clone HP-DAO2 diamine oxidase, copper/topa
 20 41176_at Cluster Incl. AF052162:Homo sapiens clone 24655 mRNA sequence /cds=UNKN
 41177_at Cluster Incl. AW024285:wt69d06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 38028_at Cluster Incl. AL050152:Homo sapiens mRNA; cDNA DKFZp586K1220 (from
 clon

25 METAGENE 238 :

- 36271_at Cluster Incl. AB028947:Homo sapiens mRNA for KIAA1024 protein, partial
 38515_at Cluster Incl. X51801:Human OP-1 mRNA for osteogenic protein./cds=(122,1
 38792_at Cluster Incl. AD001528:Homo sapiens spermidine aminopropyltransferase m

30

METAGENE 239 :

- 31488_s_at Cluster Incl. S81916:phosphoglycerate kinase {alternatively spliced}
 35916_s_at Cluster Incl. AA877215:ob15e02.s1 Homo sapiens cDNA, 3 end /clone=IM
 35 38899_s_at Cluster Incl. U95822:Human putative transmembrane GTPase mRNA, partia
 39628_at Cluster Incl. AI671547:wb33e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 35218_at Cluster Incl. AF022385:Homo sapiens apoptosis-related protein TFAR15 (T
 38670_at Cluster Incl. AL031685:dJ963K23.2 (novel protein) /cds=(2,688) /gb=AL03
 40089_at Cluster Incl. AJ224442:Homo sapiens mRNA for putative methyltransferase

- 40122_at Cluster Incl. AF037448:Homo sapiens RRM RNA binding protein Gry-rbp (GR
32829_at Cluster Incl. X97544:H.sapiens mRNA for TIM17 preprotein translocase /c
33456_at Cluster Incl. U24166:Homo sapiens EB1 mRNA, complete cds /cds=(64,870)
33932_at Cluster Incl. X17644:Human GST1-Hs mRNA for GTP-binding protein /cds=(6
5 34401_at Cluster Incl. L32977:Homo sapiens (clone fl7252) ubiquinol cytochrome c
37324_at Cluster Incl. X01060:Human mRNA for transferrin receptor /cds=(263,2545
37350_at Cluster Incl. AL031177:dJ889N15.2.1 (26S Proteasome subunit p28 (Ankyri
37738_g_at Cluster Incl. D25547:Homo sapiens mRNA for PIMT, isozyme I, complete c
38380_at Cluster Incl. Y18863:Homo sapiens mRNA for ribonuclease P protein subun
10 41485_at Cluster Incl. X02152:Human mRNA for lactate dehydrogenase-A (LDH-A, EC
33124_at Cluster Incl. AB000450:Homo sapiens mRNA for VRK2, complete cds /cds=(1
1942_s_at U37022 /FEATURE=mRNA /DEFINITION=HSU37022 Human cyclin-dependent
kinas
1839_at Ras-Like Protein Tc4
15 1840_g_at Ras-Like Protein Tc4
1560_g_at U24153 /FEATURE= /DEFINITION=HSU24153 Human p21-activated protein
kina
1448_at D00762 /FEATURE= /DEFINITION=HUMPSC8 Human mRNA for proteasome subunit H
1449_at D00763 /FEATURE= /DEFINITION=HUMPSC9 Human mRNA for proteasome subunit H
20 1369_s_at M28130 /FEATURE=mRNA /DEFINITION=HUMIL8A Human interleukin 8
(IL8) gen
1313_at D38048 /FEATURE= /DEFINITION=D38048 Human mRNA for proteasome subunit z,
1154_at J02645 /FEATURE=mRNA /DEFINITION=HUMEIF2A Human translational initiation
1130_at L11284 /FEATURE= /DEFINITION=HUMMEK1NF Homosapiens ERK activator kinase
25 1054_at M87339 /FEATURE= /DEFINITION=HUMACT1A Human replication factor C, 37-kDa
969_s_at X98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for
ubiquitin
757_at D28364 /FEATURE= /DEFINITION=HUMAI23 Human mRNA for annexin II, 5 UTR (se
651_at L07493 /FEATURE= /DEFINITION=HUM14RPA Homo sapiens replication protein A
30 430_at X00737 /FEATURE=cds /DEFINITION=HSPNP Human mRNA for purine nucleoside ph
359_at Y10659 /FEATURE=cds /DEFINITION=HSIL13RA H.sapiens IL-13Ra mRNA
262_at M21154 /FEATURE=mRNA /DEFINITION=HUMAMD Human S-adenosylmethionine
decarb
263_g_at M21154 /FEATURE=mRNA /DEFINITION=HUMAMD Human S-
35 adenosylmethionine deca
229_at M37197 /FEATURE=mRNA /DEFINITION=HUMCBF Human CCAAT-box-binding
factor (C
167_at U49436 /FEATURE= /DEFINITION=HSU49436 Human translation initiation factor

METAGENE 240 :

- 37882_at Cluster Incl. X63468:H.sapiens mRNA for transcription factor TFIIE alph
 36174_at Cluster Incl. X70326:H.sapiens MacMarcks mRNA /cds=(13,600) /gb=X70326
 5 38839_at Cluster Incl. AL096719:Homo sapiens mRNA; cDNA DKFZp566N043 (from
 clone
 38840_s_at Cluster Incl. L10678:Human profilin II mRNA, complete cds /cds=(13,43
 40567_at Cluster Incl. X01703:Human gene for alpha-tubulin (b alpha 1) /cds=(213

10 METAGENE 241 :

- 32673_at Cluster Incl. U90543:Human butyrophilin (BTF1) mRNA, complete cds /cds=
 34378_at Cluster Incl. X97324:H.sapiens mRNA for adipophilin /cds=(0,1313) /gb=X
 37706_at Cluster Incl. U28811:Human cysteine-rich fibroblast growth factor recep

15

METAGENE 242 :

- 31503_at Cluster Incl. W28732:50h7 Homo sapiens cDNA /gb=W28732 /gi=1308680 /ug=
 34651_at Cluster Incl. M58525:Homo sapiens catechol-O-methyltransferase (COMT) m
 20 34691_f_at Cluster Incl. AF006087:Homo sapiens Arp2/3 protein complex subunit p2
 34694_at Cluster Incl. U66618:Human SWI/SNF complex 60 KDa subunit (BAF60b) mRNA
 39425_at Cluster Incl. X91247:H.sapiens mRNA for thioredoxin reductase /cds=(439
 39693_at Cluster Incl. N53547:yv43b12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 41778_at Cluster Incl. U53347:Human neutral amino acid transporter B mRNA, compl
 25 37382_at Cluster Incl. N25117:yx19c09.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
 37741_at Cluster Incl. M77836:Human pyrroline 5-carboxylate reductase mRNA, comp
 33214_at Cluster Incl. Y11681:Homo sapiens mRNA for mitochondrial ribosomal prot
 1306_at D12686 /FEATURE= /DEFINITION=HUMEIF4G Human mRNA for eukaryotic initiati
 1312_at D38047 /FEATURE= /DEFINITION=HUMPSP31 Human mRNA for 26S proteasome subu
 30 896_at L21998 /FEATURE= /DEFINITION=HUMMUC2X Homo sapiens intestinal mucin
 (MUC2
 910_at M15205 /FEATURE=cds /DEFINITION=HUMTKRA Human thymidine kinase gene,
 comp
 691_g_at J02783 /FEATURE=mRNA /DEFINITION=HUMTHBP Human thyroid hormone
 35 binding
 455_at U66618 /FEATURE= /DEFINITION=HSU66618 Human SWI/SNF complex 60 KDa
 subuni

METAGENE 243 :

	31536_at	Cluster Incl. AB020693:Homo sapiens mRNA for KIAA0886 protein, complete
	41447_at	Cluster Incl. AB023207:Homo sapiens mRNA for KIAA0990 protein, complete
	34685_at	Cluster Incl. AI685944:tu38g02.x1 Homo sapiens cDNA, 3' end /clone=IMAG
5	37604_at	Cluster Incl. U44111:Human histamine N-methyltransferase (HNMT) gene /c
	38318_at	Cluster Incl. AL050128:Homo sapiens mRNA; cDNA DKFZp586G051 (from clone
	39019_at	Cluster Incl. D14696:Human mRNA for KIAA0108 gene, complete cds /cds=(1
	39037_at	Cluster Incl. L13773:Human AF-4 mRNA, complete cds /cds=(420,4052) /gb=
10	39396_at	Cluster Incl. AF081281:Homo sapiens lysophospholipase (LPL1) mRNA, comp
	39431_at	Cluster Incl. AJ132583:Homo sapiens mRNA for puromycin sensitive aminop
	39741_at	Cluster Incl. D16481:Homo sapiens mRNA for mitochondrial 3-ketoacyl-CoA
	39782_at	Cluster Incl. X95592:H.sapiens mRNA for C1D protein /cds=(117,542) /gb=
	40066_at	Cluster Incl. AF046024:Homo sapiens UBA3 (UBA3) mRNA, complete cds /cds
15	40125_at	Cluster Incl. L10284:Homo sapiens integral membrane protein, calnexin,
	40140_at	Cluster Incl. D76444:Homo sapiens hkf-1 mRNA, complete cds /cds=(922,29
	40844_at	Cluster Incl. D63875:Human mRNA for KIAA0155 gene, complete cds /cds=(8
	41132_r_at	Cluster Incl. U01923:Human BTK region clone ftp-3 mRNA /cds=UNKNOWN /
	41212_r_at	Cluster Incl. D26068:Human mRNA for KIAA0038 gene, partial cds /cds=(
20	41785_at	Cluster Incl. U73824:Human p97 mRNA, complete cds /cds=(306,3029) /gb=U
	32150_at	Cluster Incl. X82834:H.sapiens mRNA for golgin /cds=(207,6764) /gb=X828
	33443_at	Cluster Incl. Z99129:Human DNA sequence from clone 425C14 on chromosome
	33845_at	Cluster Incl. W28483:47e11 Homo sapiens cDNA /gb=W28483 /gi=1308431 /ug
	33865_at	Cluster Incl. AA127624:zk89b09.r1 Homo sapiens cDNA, 5' end /clone=IMAG
25	34392_s_at	Cluster Incl. AL050268:Homo sapiens mRNA; cDNA DKFZp564B163 (from clo
	34394_at	Cluster Incl. AB018327:Homo sapiens mRNA for KIAA0784 protein, partial
	34402_at	Cluster Incl. AB024327:Homo sapiens pt-wd mRNA for WD-40 repeat protein
	34781_at	Cluster Incl. D84145:Human WS-3 mRNA, complete cds /cds=(87,659) /gb=D8
	35311_at	Cluster Incl. AF084523:Homo sapiens cellular repressor of E1A-stimulate
30	35761_at	Cluster Incl. AL050073:Homo sapiens mRNA; cDNA DKFZp566E2346 (from clon
	35814_at	Cluster Incl. AF064603:Homo sapiens GA17 protein mRNA, complete cds /cd
	36164_at	Cluster Incl. U82328:Homo sapiens pyruvate dehydrogenase complex protei
	36171_at	Cluster Incl. AI521453:th60h07.x1 Homo sapiens cDNA, 3' end /clone=IMAG
35	36571_at	Cluster Incl. X68060:H.sapiens topIIb mRNA for topoisomerase IIb /cds=(
	36631_at	Cluster Incl. D49396:Human mRNA for Apo1_Human (MER5(Aop1-Mouse)-like
	P	
	36975_at	Cluster Incl. W26659:34d2 Homo sapiens cDNA /gb=W26659 /gi=1307502 /ug=
	36981_at	Cluster Incl. AF070649:Homo sapiens clone 24452 mRNA sequence /cds=UNKN

- 37000_at Cluster Incl. AL035304:H.sapiens gene from PAC 295C6, similar to rat PO
- 37009_at Cluster Incl. AL035079:dJ53C18.1 (Catalase) /cds=(74,1657) /gb=AL035079.
- 37035_at Cluster Incl. AI557272:PT2.1_15_G02.r Homo sapiens cDNA, 3 end /clone_
- 37336_at Cluster Incl. D87684:Human mRNA for KIAA0242 gene, partial cds /cds=(0,
- 5 37385_at Cluster Incl. U40763:Human Clk-associated RS cyclophilin CARS-Cyp mRNA,
- 37389_at Cluster Incl. AI346580:qp51f08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 37409_at Cluster Incl. U88666:Homo sapiens serine kinase SRPK2 mRNA, complete cd
- 37668_at Cluster Incl. M69039:Human pre-mRNA splicing factor SF2p32, complete se
- 38802_at Cluster Incl. Y12711:H.sapiens mRNA for putative progesterone binding p
- 10 39160_at Cluster Incl. D90086:Human pyruvate dehydrogenase (EC 1.2.4.1) beta sub
- 39174_at Cluster Incl. X77548:H. sapiens cDNA for RFG /cds=(76,1920) /gb=X77548
- 39509_at Cluster Incl. AI692348:wd85g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41490_at. Cluster Incl. Y00971:Human mRNA for phosphoribosyl pyrophosphate synth
- 41573_at Cluster Incl. X68560:H.sapiens SPR-2 mRNA for GT box binding protein /c
- 15 33113_at Cluster Incl. U65093:Human msg1-related gene 1 (mrg1) mRNA, complete cd
- 1913_at U47414 /FEATURE= /DEFINITION=HSU47414 Human cyclin G2 mRNA, complete cds
- 1728_at L13689 /FEATURE=mRNA /DEFINITION=HUMBMI1X Human prot-oncogene (BMI-1)
- mR
- 1213_at U88666 /FEATURE= /DEFINITION=HSU88666 Homo sapiens serine kinase SRPK2 m
- 20 924_s_at J03805 /FEATURE= /DEFINITION=HUMALPHLB Human phosphatase 2A
- mRNA, parti
- 723_s_at Small Nuclear Ribonucleoprotein, Polypeptide C, Alt. Splice 2
- 193_at U21858 /FEATURE= /DEFINITION=HSU21858 Human transcriptional activation fa
- 140_s_at U68063 /FEATURE= /DEFINITION=HSU68063 Human transformer-2 beta (htra-
- 25 2

METAGENE 244 :

- 32870_g_at Cluster Incl. AF073362:Homo sapiens endo/exonuclease Mre11 (MRE11A) m
- 30 36217_at Cluster Incl. Z35102:H.sapiens mRNA for Ndr protein kinase /cds=(595,19
- 38571_at Cluster Incl. Y18046:Homo sapiens mRNA for FOP (FGFR1 oncogene partner)
- 32112_s_at Cluster Incl. AI800499:tc11f11.x1 Homo sapiens cDNA, 3 end /clone=IM
- 32113_at Cluster Incl. U83115:Human non-lens beta gamma-crystallin like protein
- 32661_s_at Cluster Incl. D79992:Human mRNA for KIAA0170 gene, complete cds /cds=
- 35 32662_at Cluster Incl. AL041663:DKFZp434M0217_s1 Homo sapiens cDNA, 3 end /clon
- 33810_at Cluster Incl. AF110377:Homo sapiens PCAF-associated factor 400 (PAF400)
- 34659_at Cluster Incl. AB018334:Homo sapiens mRNA for KIAA0791 protein, complete
- 35651_at Cluster Incl. AF002715:Homo sapiens MAP kinase kinase kinase (MTK1) mRN
- 37893_at Cluster Incl. AI828880:wj37b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG

- 39432_at Cluster Incl. AF038662:Homo sapiens chromosome 3q13 beta-1,4-galactosyl
 40823_s_at Cluster Incl. U85430:Human transcription factor NFATx4 mRNA, complete
 35314_at Cluster Incl. D63880:Human mRNA for KIAA0159 gene, complete cds /cds=(7
 38384_at Cluster Incl. X54199:Human mRNA for GARS-AIRS-GART /cds=UNKNOWN
5 /gb=X54
 946_at D50663 /FEATURE= /DEFINITION=D50663 Human mRNA for TCTEL1 gene, complete
 855_at S78085 /FEATURE= /DEFINITION=S78085 PDCD2=programmed cell death-2/Rp8 hom

METAGENE 245 :

10

- 35160_at Cluster Incl. AF064491:Homo sapiens LIM homeobox protein cofactor (CLIM
 33888_at Cluster Incl. X82207:H.sapiens mRNA for beta-centractin (PC3) /cds=(56,
 39154_at Cluster Incl. AI952982:wp98b06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 1622_at D87116 /FEATURE= /DEFINITION=D87116 Human mRNA for MAP kinase kinase 3b

15

METAGENE 246 :

- 31684_at Cluster Incl. M62896:Human lipocortin (LIP) 2 pseudogene mRNA, complete
 33605_at Cluster Incl. AF019415:untitled /cds=(105,926) /gb=AF019415 /gi=3955194
20 33606_g_at Cluster Incl. AF019415:untitled /cds=(105,926) /gb=AF019415 /gi=39551
 36710_at Cluster Incl. Z38026:H.sapiens mRNA for FALL-39 peptide antibiotic /cds
 36784_at Cluster Incl. J03071:Human growth hormone (GH-1 and GH-2) and chorionic
 38977_at Cluster Incl. U89436:Human tyrosyl-tRNA synthetase mRNA, complete cds /
 36199_at Cluster Incl. X76105:H.sapiens DAP-1 mRNA /cds=(159,467) /gb=X76105 /gi
25 37016_at Cluster Incl. D13900:Homo sapiens mRNA for mitochondrial short-chain en

METAGENE 247 :

- 36012_at Cluster Incl. Y09631:H.sapiens mRNA for PIBF1 protein, complete /cds=(0
30 39366_at Cluster Incl. N36638:yx88f05.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
 33421_s_at Cluster Incl. AB016247:Homo sapiens mRNA for sterol-C5-desaturase, co
 34377_at Cluster Incl. J05096:Human Na,K-ATPase subunit alpha 2 (ATP1A2) gene, c

METAGENE 248 :

35

- 36336_s_at Cluster Incl. AC005390:Homo sapiens chromosome 19, cosmid R31180 /cds
 37771_at Cluster Incl. AB020688:Homo sapiens mRNA for KIAA0881 protein, complete
 35154_at Cluster Incl. W68046:zd42a12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 37281_at Cluster Incl. D87071:Human mRNA for KIAA0233 gene, complete cds /cds=(2

	38310_at	Cluster Incl. AB014591:Homo sapiens mRNA for KIAA0691 protein, complete
	38314_at	Cluster Incl. AB002304:Human mRNA for KIAA0306 gene, partial cds /cds=(
	38647_at	Cluster Incl. AJ131182:Homo sapiens mRNA for Epsilon COP /cds=(42,968)
	38998_g_at	Cluster Incl. X96924:H.sapiens gene encoding mitochondrial citrate tr
5	39076_s_at	Cluster Incl. AI991040:wu36b05.x1 Homo sapiens cDNA, 3 end /clone=IM
	40470_at	Cluster Incl. D10523:Human mRNA for 2-oxoglutarate dehydrogenase, compl
	40489_at	Cluster Incl. D31840:Human DRPLA mRNA for ORF, complete cds /cds=(238,3
	40850_at	Cluster Incl. L37033:Human FK-506 binding protein homologue (FKBP38) mR
	40867_at	Cluster Incl. J02902:Human protein phosphatase 2A regulatory subunit al
10	41134_at	Cluster Incl. AB023181:Homo sapiens mRNA for KIAA0964 protein, complete
	32157_at	Cluster Incl. S57501:protein phosphatase type 1 catalytic subunit [huma
	32209_at	Cluster Incl. AF052151:Homo sapiens clone 24574 mRNA sequence /cds=UNKN
	33863_at	Cluster Incl. U65785:Human 150 kDa oxygen-regulated protein ORP150 mRNA
	33904_at	Cluster Incl. AB000714:Homo sapiens hRVP1 mRNA for RVP1, complete cds /
15	33913_at	Cluster Incl. M33509:Human HLA-B-associated transcript 2 (BAT2) mRNA, c
	33921_at	Cluster Incl. Y15409:Homo sapiens mRNA for putative glucose 6-phosphate
	36125_s_at	Cluster Incl. L38696:Homo sapiens autoantigen p542 mRNA, complete cds
	36138_at	Cluster Incl. X04106:Human mRNA for calcium dependent protease (small s
	36162_at	Cluster Incl. X64364:H.sapiens mRNA for M6 antigen /cds=(57,866) /gb=X6
20	36598_s_at	Cluster Incl. L36818:Human (clone 51C-3) 51C protein mRNA, complete c
	36994_at	Cluster Incl. M62762:Human vacuolar H ⁺ ATPase proton channel subunit mR
	37346_at	Cluster Incl. M57567:Human ADP-ribosylation factor (hARF5) mRNA, comple
	37753_at	Cluster Incl. U66617:Human SWI/SNF complex 60 KDa subunit (BAF60a) mRNA
	38766_at	Cluster Incl. AB002307:Human mRNA for KIAA0309 gene, partial cds /cds=(
25	41267_at	Cluster Incl. AB028972:Homo sapiens mRNA for KIAA1049 protein, partial
	41337_at	Cluster Incl. AF072902:Homo sapiens gp130 associated protein GAM mRNA,
	41484_r_at	Cluster Incl. X56681:Human junD mRNA /cds=(174,1217) /gb=X56681 /gi=3
	1830_s_at	M38449 /FEATURE= /DEFINITION=HUMTGFB Human transforming growth factor
30	1790_s_at	Cell Division Cycle Protein 2-Related Protein Kinase (Pisslre)
	1642_at	U35113 /FEATURE= /DEFINITION=HSU35113 Human metastasis-associated mta1 m
	1590_s_at	J00277 /FEATURE=cds /DEFINITION=HUMRASH Human (genomic clones lambda-[
	1564_at	M63167 /FEATURE= /DEFINITION=HUMRACPC Human rac protein kinase alpha mRN
35	1274_s_at	L22005 /FEATURE= /DEFINITION=HUMCDC34H Human ubiquitin conjugating enz
	1131_at	L11285 /FEATURE= /DEFINITION=HUMMEK2NF Homosapiens ERK activator kinase
	954_s_at	Protein Phosphatase 1, Alpha Catalytic Subunit

905_at L76200 /FEATURE= /DEFINITION=HUMGUK1R Human guanylate kinase (GUK1) mRNA,

858_at S90469 /FEATURE= /DEFINITION=S90469 cytochrome P450 reductase [human, pla

657_at L11373 /FEATURE= /DEFINITION=HUMPC43ABB Human protocadherin 43 mRNA,

5 comp

635_s_at L42374 /FEATURE=mRNA /DEFINITION=HUMPP2ABA Homo sapiens protein phospho

519_g_at U07132 /FEATURE= /DEFINITION=HSU07132 Human steroid hormone receptor Ne

10 294_s_at Protein Kinase Pitslre, Alpha, Alt. Splice 1-Feb

175_s_at U33053 /FEATURE= /DEFINITION=HSU33053 Human lipid-activated protein kin

METAGENE 249 :

15

31530_at Cluster Incl. U89344:Human acetyl-CoA carboxylase (ACC2) mRNA, complete

32287_s_at Cluster Incl. AJ001685:Homo sapiens NKG2E gene /cds=(45,767) /gb=AJ00

32297_s_at Cluster Incl. AJ001684:Homo sapiens NKG2C gene /cds=(45,740) /gb=AJ00

34183_at Cluster Incl. AL080169:Homo sapiens mRNA; cDNA DKFZp434C171 (from

20 clone

METAGENE 250 :

25 36691_at Cluster Incl. X82224:H.sapiens mRNA for glutamine transaminase K /cds=(
32033_at Cluster Incl. AL096780:Novel human gene mapping to chromosome 22p13.33 s

36028_at Cluster Incl. U45285:Human specific 116-kDa vacuolar proton pump subuni

36843_at Cluster Incl. AB005666:Homo sapiens mRNA for GTPase-activating protein,

39048_at Cluster Incl. U95299:Human Notch4 (hNotch4) mRNA, complete cds /cds=(90

32238_at Cluster Incl. AF001383:Homo sapiens amphiphysin II mRNA, complete cds /

30 39835_at Cluster Incl. U93181:Homo sapiens nuclear dual-specificity phosphatase

METAGENE 251 :

35 35508_at Cluster Incl. X79781:H.sapiens ray mRNA /cds=(81,686) /gb=X79781 /gi=76

35619_at Cluster Incl. AB014534:Homo sapiens mRNA for KIAA0634 protein, partial

36057_at Cluster Incl. AB011084:Homo sapiens mRNA for KIAA0512 protein, complete

36833_at Cluster Incl. U78027:Homo sapiens Brutons tyrosine kinase (BTK), alpha-

41837_at Cluster Incl. AA149431:z126a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG

METAGENE 252 :

- 35019_at Cluster Incl. AF054180:Homo sapiens hematopoietic cell derived zinc fin
 37636_at Cluster Incl. D86969:Human mRNA for KIAA0215 gene, complete cds /cds=(2
5 39469_s_at Cluster Incl. W25905:14g5 Homo sapiens cDNA /gb=W25905 /gi=1306028 /u
 1723_g_at S61953 /FEATURE= /DEFINITION=S61953 c-erbB3=receptor tyrosine kinase {
 908_at M14660 /FEATURE=cds /DEFINITION=HUMISG2 Human ISG-54K gene (interferon st

METAGENE 253 :

10

- 35468_at Cluster Incl. AL050381:Homo sapiens mRNA; cDNA DKFZp586B2023 (from
 clon
 38916_at Cluster Incl. U46023:Human Xq28 mRNA, complete cds /cds=(283,2388) /gb=
 40401_at Cluster Incl. AL050069:Homo sapiens mRNA; cDNA DKFZp566A0946 (from
15 clon
 39799_at Cluster Incl. M94856:Human fatty acid binding protein homologue (PA-FAB

METAGENE 254 :

- 20** 38918_at Cluster Incl. AF083105:Homo sapiens HMG box factor SOX-13 mRNA, complet
 34700_at Cluster Incl. AF045239:Homo sapiens brain expressed ring finger protein
 38264_at Cluster Incl. U74324:Human guanine nucleotide exchange factor mss4 mRNA
 39722_at Cluster Incl. AF044209:Homo sapiens nuclear receptor co-repressor N-CoR
 39763_at Cluster Incl. M36803:Human hemopexin gene /cds=(28,1416) /gb=M36803 /gi
25 40047_at Cluster Incl. AF077599:Homo sapiens hypothetical SBBI03 protein mRNA, c
 34400_at Cluster Incl. AI540957:PEC1.2_15_G03.r Homo sapiens cDNA, 5 end /clone
 36193_at Cluster Incl. U52522:Human arfaptin 2, putative target protein of ADP-r
 36652_at Cluster Incl. J03824:Human uroporphyrinogen III synthase mRNA, complete
 1251_g_at M64788 /FEATURE= /DEFINITION=HUMRAP1GAP Human GTPase activating
30 protei
 503_at U37690 /FEATURE= /DEFINITION=HSU37690 Human RNA polymerase II subunit (hs

METAGENE 255 :

- 35** 35042_at Cluster Incl. L12398:Homo sapiens dopamine D4 receptor (DRD4) mRNA (D4.
 41871_at Cluster Incl. AI660929:wf20a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 33816_at Cluster Incl. AF020267:Homo sapiens myosin-IXb splice variant (Myo9b) m
 35992_at Cluster Incl. AF087036:Homo sapiens musculin mRNA, partial cds /cds=(0,
 37631_at Cluster Incl. U14391:Human myosin-IC mRNA, complete cds /cds=(375,3704)

- 37981_at Cluster Incl. D17530:Homo sapiens mRNA for drebrin E, complete cds /cds
 39795_at Cluster Incl. D63475:Human mRNA for KIAA0109 gene, complete cds /cds=(8
 34407_at Cluster Incl. U77594:Human tazarotene-induced gene 2 (TIG2) mRNA, compl
 35796_at Cluster Incl. Y17169:Homo sapiens mRNA for A6 related protein /cds=(104
5 38087_s_at Cluster Incl. W72186:zd69b10.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 38832_r_at Cluster Incl. AF053356:Homo sapiens chromosome 7q22 sequence /cds=(25
 39166_s_at Cluster Incl. D83174:Human mRNA for collagen binding protein 2, compl
 41850_s_at Cluster Incl. U63825:Human hepatitis delta antigen interacting protei
 32566_at Cluster Incl. AA165701:zo75g08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
10 33212_at Cluster Incl. AF006751:Homo sapiens ES/130 mRNA, complete cds /cds=(70,
 33213_g_at Cluster Incl. AF006751:Homo sapiens ES/130 mRNA, complete cds /cds=(7
 844_at U48707 /FEATURE= /DEFINITION=HSU48707 Human protein phosphatase-1 inhibit

METAGENE 256 :

15

- 35506_s_at Cluster Incl. J03870:Human cystatin SA-I mRNA, complete cds /cds=(70,
 33963_at Cluster Incl. M96326:Human azurocidin gene, complete cds /cds=(16,771)
 36751_at Cluster Incl. AF035154:Homo sapiens regulator of G-protein signalling 1
 36785_at Cluster Incl. Z23090:H.sapiens mRNA for 28 kDa heat shock protein /cds=
20 39045_at Cluster Incl. W26655:34c9 Homo sapiens cDNA /gb=W26655 /gi=1307498 /ug=
 37657_at Cluster Incl. Y16270:Homo sapiens PALM gene, exon 1 and joined CDS /cds
 103_at Z19585 /FEATURE=cds /DEFINITION=HSTHROMB4 H.sapiens mRNA for
 thrombospond

25 METAGENE 257 :

- 36247_f_at Cluster Incl. M12272:Homo sapiens alcohol dehydrogenase class I gamma
 40782_at Cluster Incl. AF061741:Homo sapiens retinal short-chain dehydrogenase/r
 34842_at Cluster Incl. U41303:Human small nuclear ribonucleoprotein particle N (S
30 36629_at Cluster Incl. AI635895:tz82a07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 36681_at Cluster Incl. J02611:Human apolipoprotein D mRNA, complete cds /cds=(61
 37017_at Cluster Incl. M22430:Human RASF-A PLA2 mRNA, complete cds /cds=(135,569
 614_at M22430 /FEATURE= /DEFINITION=HUMRASFAB Human RASF-A PLA2 mRNA,
 complete c

35

METAGENE 258 :

- 34069_s_at Cluster Incl. S79325:SYT...SSX1 {translocation breakpoint} [human, sy
 38500_at Cluster Incl. AB002450:Homo sapiens mRNA from chromosome 5q21-22, clone

- 39666_at Cluster Incl. U31382:Human G protein gamma-4 subunit mRNA, complete cds
 36516_at Cluster Incl. AL080143:Homo sapiens mRNA; cDNA DKFZp434N043 (from
 clone
 1912_s_at M74088 /FEATURE= /DEFINITION=HUMFAPAPC Human APC gene mRNA,
 5 complete c
 1671_s_at L35253 /FEATURE= /DEFINITION=HUMMAPKNS Human p38 mitogen
 activated pro
 1518_at J04101 /FEATURE= /DEFINITION=HUMETS1A Human erythroblastosis virus oncog
 672_at J03764 /FEATURE=cds /DEFINITION=HUMPAIA Human, plasminogen activator inhi
 10 591_s_at M33684 /FEATURE=cds /DEFINITION=HUMPPPBIAS Human (clone lambda-
 16-1) no
 352_at D30036 /FEATURE= /DEFINITION=HUMPITPA Human mRNA for phosphatidylinositol
 METAGENE 259 :
 15
 31663_at Cluster Incl. AB016902:Homo sapiens HGC6.3 mRNA, complete cds /cds=(287
 39578_at Cluster Incl. W27191:23e6 Homo sapiens cDNA /gb=W27191 /gi=1306707 /ug=
 41106_at Cluster Incl. AF022797:Homo sapiens intermediate conductance calcium-ac
 35134_at Cluster Incl. U47054:Human putative mono-ADP-ribosyltransferase (htMART
 20 39723_at Cluster Incl. AF062536:Homo sapiens cullin 1 mRNA, complete cds /cds=(1
 37343_at Cluster Incl. U01062:Human type 3 inositol 1,4,5-trisphosphate receptor
 1740_g_at M99487 /FEATURE= /DEFINITION=HUMPSM Human prostate-specific
 membrane a
 182_at U01062 /FEATURE=mRNA /DEFINITION=HUMIP3R3 Human type 3 inositol 1,4,5-tri
 25
 METAGENE 260 :
 31966_at Cluster Incl. S48220:type I 5 iodothyronine deiodinase [human, mRNA, 22
 39623_at Cluster Incl. X65724:H.sapiens DNA for ORF1 and ORF2 from chromosome X
 30 40409_at Cluster Incl. U46689:Human microsomal aldehyde dehydrogenase (ALD10) mR
 40772_at Cluster Incl. AA284298:zc30c10.T7 Homo sapiens cDNA, 3 end /clone=IMAG
 41826_at Cluster Incl. W28287:47f12 Homo sapiens cDNA /gb=W28287 /gi=1308442 /ug=
 32527_at Cluster Incl. AI381790:te41h10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 35 METAGENE 261 :
 32004_s_at Cluster Incl. W32483:zc67e07.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 33629_at Cluster Incl. AJ001982:Homo sapiens WWp2-like mRNA complete cds /cds=UN
 35569_at Cluster Incl. AB015330:Homo sapiens HRIHFB2007 mRNA, partial cds /cds=(

	34478_at	Cluster Incl. X79780:H.sapiens YPT3 mRNA /cds=(6,662) /gb=X79780 /gi=76
	35426_at	Cluster Incl. AC004410:Homo sapiens chromosome 19, fosmid 39554 /cds=(0
	36231_at	Cluster Incl. AC002073:Human PAC clone DJ515N1 from 22q11.2-q22 /cds=(0
	37102_at	Cluster Incl. AA203717:zx52f12.r1 Homo sapiens cDNA, 5 end /clone=IMAG
5	39274_at	Cluster Incl. X58521:Human mRNA for p62 nucleoporin /cds=(151,1719) /gb
	39968_at	Cluster Incl. U50136:Human leukotriene C4 synthase (LTC4S) gene, comple
	38622_at	Cluster Incl. W28953:54b7 Homo sapiens cDNA /gb=W28953 /gi=1308901 /ug=
	38726_at	Cluster Incl. W80399:zh49e04.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	39030_at	Cluster Incl. AJ133534:Homo sapiens mRNA for prenylated Rab acceptor 1
10	39347_at	Cluster Incl. X97074:H.sapiens mRNS for clathrin-associated protein /cd
	32177_s_at	Cluster Incl. AC004084:Homo sapiens BAC clone RG158O17 from 7q22-q31.
	32750_r_at	Cluster Incl. X53416:Human mRNA for actin-binding protein (filamin) (
	32836_at	Cluster Incl. U56417:Human lysophosphatidic acid acyltransferase-alpha
	32844_at	Cluster Incl. AF104913:Homo sapiens eukaryotic protein synthesis initia
15	33414_at	Cluster Incl. X57398:Human mRNA for pM5 protein /cds=(0,3572) /gb=X5739
	36151_at	Cluster Incl. U60644:Human HU-K4 mRNA, complete cds /cds=(487,1800) /gb
	36977_at	Cluster Incl. U39412:Homo sapiens alpha SNAP mRNA, complete cds /cds=(6
	38434_at	Cluster Incl. M95627:Homo sapiens angio-associated migratory cell prote
	38799_at	Cluster Incl. AF068706:Homo sapiens gamma2-adaptin (G2AD) mRNA, complet
20	32556_at	Cluster Incl. X64044:H.sapiens mmRNA for large subunit of splicing fact
	2065_s_at	L22473 /FEATURE= /DEFINITION=HUMBAXA Human Bax alpha mRNA,
	complete cd	
	2067_f_at	L22475 /FEATURE= /DEFINITION=HUMBAXG Human Bax gamma mRNA,
	complete cd	
25	1726_at	Dna Polymerase, Epsilon, Catalytic Subunit
	1703_g_at	S75174 /FEATURE= /DEFINITION=S75174 E2F-4=transcription factor [human,
	1707_g_at	U01337 /FEATURE=expanded_cds /DEFINITION=HSU01337 Human Ser/Thr
	protei	
	1362_s_at	M84820 /FEATURE= /DEFINITION=HUMRXRB Human retinoid X receptor
30	beta (R	
	957_at	Arrestin, Beta 2
	918_at	Atp-Binding Cassette Protein
	845_at	U16031 /FEATURE= /DEFINITION=HSU16031 Human transcription factor IL-4 Sta
	625_at	L78833 /FEATURE=cds#4 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7 and vatI
35	gen	
	518_at	U07132 /FEATURE= /DEFINITION=HSU07132 Human steroid hormone receptor Ner-
	423_at	X66899 /FEATURE=cds /DEFINITION=HSEWS H.sapiens EWS mRNA
	391_at	X89416 /FEATURE=cds /DEFINITION=HSRNAPPP5 H.sapiens mRNA for protein phos

239_at M63138 /FEATURE=mRNA /DEFINITION=HUMCATD5 Human cathepsin D (catD) gene,

207_at M86752 /FEATURE= /DEFINITION=HUMIEF Human transformation-sensitive protei

5 METAGENE 262 :

- 33980_at Cluster Incl. X52638:Human mRNA for 6-phosphofructo-2-kinase/fructose-2
- 38853_at Cluster Incl. X81892:H.sapiens mRNA for HE6 Tm7 receptor /cds=(72,3116)
- 36455_at Cluster Incl. L41162:Homo sapiens collagen alpha 3 type IX (COL9A3) mRN
- 10 32242_at Cluster Incl. AL038340:DKFZp566K192_s1 Homo sapiens cDNA, 3 end /clone
- 32243_g_at Cluster Incl. AL038340:DKFZp566K192_s1 Homo sapiens cDNA, 3 end /clo
- 36667_at Cluster Incl. U47025:Human fetal brain glycogen phosphorylase B mRNA, c
- 38803_at Cluster Incl. AF052142:Homo sapiens clone 24665 mRNA sequence /cds=UNKN
- 41815_at Cluster Incl. AL080133:Homo sapiens mRNA; cDNA DKFZp434G173 (from
- 15 clone

METAGENE 263 :

- 31605_at Cluster Incl. U72518:Human destrin-2 pseudogene mRNA, complete cds /cds
- 20 31690_at Cluster Incl. U08997:Human glutamate dehydrogenase gene, complete cds /
- 32316_s_at Cluster Incl. X15183:Human mRNA for 90-kDa heat-shock protein /cds=(6
- 35435_s_at Cluster Incl. AF001903:Human 3-hydroxyacyl-CoA dehydrogenase, isoform
- 38581_at Cluster Incl. U40038:Human GTP-binding protein alpha q subunit (GNAQ) m
- 33716_at Cluster Incl. N95443:zb81c12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 25 34733_at Cluster Incl. X85237:H.sapiens mRNA for splicing factor SF3a120 /cds=(9
- 36535_at Cluster Incl. U04209:Human associated microfibrillar protein mRNA, comp
- 37250_at Cluster Incl. AB007191:Homo sapiens mRNA for AMY-1, complete cds /cds=(
- 37619_at Cluster Incl. D42084:Human mRNA for KIAA0094 gene, partial cds /cds=(0,
- 38695_at Cluster Incl. AA203303:zx55b01.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 30 38702_at Cluster Incl. AF070640:Homo sapiens clone 24781 mRNA sequence /cds=UNKN
- 39009_at Cluster Incl. N98670:yy66d08.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 39380_at Cluster Incl. AB014597:Homo sapiens mRNA for KIAA0697 protein, partial
- 39386_at Cluster Incl. D14811:Human mRNA for KIAA0110 gene, complete cds /cds=(3
- 39685_at Cluster Incl. AL050282:Homo sapiens mRNA; cDNA DKFZp586H2219 (from
- 35 ,clon
- 39686_g_at Cluster Incl. AL050282:Homo sapiens mRNA; cDNA DKFZp586H2219 (from cl
- 39790_at Cluster Incl. M23115:Homo sapiens calcium-ATPase (HK2) mRNA, complete c
- 40084_at Cluster Incl. U03494:Human transcription factor LSF mRNA, complete cds
- 40473_at Cluster Incl. AF024636:Homo sapiens STE20-like kinase 3 (mst-3) mRNA, c

- 40874_at Cluster Incl. AJ005259:Homo sapiens mRNA for EDF-1 protein /cds=(34,480
- 41754_at Cluster Incl. M92439:Human leucine-rich protein mRNA, complete cds /cds
- 32765_f_at Cluster Incl. W28330:45d4 Homo sapiens cDNA /gb=W28330 /gi=1308278 /u
- 33820_g_at Cluster Incl. X13794:H.sapiens lactate dehydrogenase B gene exon 1 an
- 5 34307_at Cluster Incl. U81006:Human p76 mRNA, complete cds /cds=(133,2124) /gb=U
- 34356_at Cluster Incl. U52960:Human RNA polymerase II complex component SRB7 mRN
- 34774_at Cluster Incl. U44772:Human palmitoyl protein thioesterase mRNA, complet
- 35325_at Cluster Incl. AF052113:Homo sapiens clone 23675 mRNA sequence /cds=UNKN
- 35754_at Cluster Incl. L40391:Homo sapiens (clone s153) mRNA fragment /cds=UNKNO
- 10 35759_at Cluster Incl. AF026166:Homo sapiens chaperonin-containing TCP-1 beta su
- 35793_at Cluster Incl. AB014560:Homo sapiens mRNA for KIAA0660 protein, complete
- 37029_at Cluster Incl. X83218:H.sapiens mRNA for ATP synthase /cds=(36,677) /gb=
- 37318_at Cluster Incl. X81625:H.sapiens mRNA for Cl1 protein /cds=(135,1448) /gb
- 37675_at Cluster Incl. X60036:H.sapiens mRNA for mitochondrial phosphate carrier
- 15 38035_at Cluster Incl. AF072928:Homo sapiens myotubularin related protein 6 mRNA
- 38431_at Cluster Incl. U09759:Human protein kinase (JNK2) mRNA, complete cds /cd
- 38476_at Cluster Incl. L13434:Human chromosome 3p21.1 gene sequence, complete cd
- 38820_at Cluster Incl. AF051894:Homo sapiens 15 kDa selenoprotein mRNA, complete
- 39097_at Cluster Incl. X63753:H.sapiens son-a mRNA /cds=(414,4985) /gb=X63753 /g
- 20 39118_at Cluster Incl. L08069:Human heat shock protein, E. coli DnaJ homologue m
- 39860_at Cluster Incl. U05040:Human FUSE binding protein mRNA, complete cds /cds
- 40189_at Cluster Incl. M93651:Human set gene, complete cds /cds=(3,836) /gb=M936
- 40637_at Cluster Incl. Y00371:Human hsc70 gene for 71 kd heat shock cognate prot
- 40962_s_at Cluster Incl. D26155:Human mRNA for transcriptional activator hSNF2a,
- 25 41253_s_at Cluster Incl. AI983043:wz30b11.x1 Homo sapiens cDNA, 3 end /clone=IM
- 41495_at Cluster Incl. W37606:zc12a03.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 41510_s_at Cluster Incl. L15189:Homo sapiens mitochondrial HSP75 mRNA, complete
- 41514_s_at Cluster Incl. W26628:34a4 Homo sapiens cDNA /gb=W26628 /gi=1307471 /u
- 32547_at Cluster Incl. X56253:Human MPR46 gene for 46kd mannose 6-phosphate rece
- 30 32569_at Cluster Incl. L13385:Homo sapiens(clone 71) Miller-Dieker lissencephaly
- 32573_at Cluster Incl. AL021546:Human DNA sequence from BAC 15E1 on chromosome 1
- 2093_s_at J04977 /FEATURE=mRNA /DEFINITION=HUMKUANT Human Ku
- autoimmune antigen
- 2010_at U33760 /FEATURE= /DEFINITION=HSU33760 Human cyclin A/CDK2-associated p19
- 35 1969_s_at X77743 /FEATURE=cds /DEFINITION=HSCDKAK H.sapiens CDK activating
- kinas
- 1624_at Stimulatory Gdp/Gtp Exchange Protein For C-Ki-Ras P21 And Smg P21
- 1453_at U68018 /FEATURE= /DEFINITION=HSU68018 Human mad protein homolog (hMAD-2)
- 1238_at U09759 /FEATURE= /DEFINITION=HSU09759 Human protein kinase (JNK2) mRNA,

- 1179_at Heat Shock Protein, 70 Kda
 1180_g_at Heat Shock Protein, 70 Kda
 1119_at J05249 /FEATURE= /DEFINITION=HUMREPA Human replication protein A 32-kDa
 1009_at U51004 /FEATURE= /DEFINITION=HSU51004 Homo sapiens protein kinase C inh
5 853_at S74017 /FEATURE= /DEFINITION=S74017 Nrf2=NF-E2-like basic leucine zipper
 781_at X98001 /FEATURE=cds /DEFINITION=HSGGII H.sapiens mRNA for geranylgeranyl
 756_at D26350 /FEATURE= /DEFINITION=HUMHT2I Human mRNA for type 2 inositol 1,4,5
 630_at L39874 /FEATURE=expanded_cds /DEFINITION=HUMDODDA Homo sapiens
 deoxycytid
10 621_at M28211 /FEATURE= /DEFINITION=HUMRAB4A Homo sapiens GTP-binding protein (R
 584_s_at M30938 /FEATURE=mRNA#1 /DEFINITION=HUMKUP Human Ku (p70/p80)
 subunit mR
 457_s_at U67122 /FEATURE= /DEFINITION=HSU67122 Human ubiquitin-related protein
 S
15 306_s_at J02621 /FEATURE=mRNA /DEFINITION=HUMHMG14 Human non-histone
 chromosomal

METAGENE 264 :

- 20** 31396_r_at Cluster Incl. AB012851:Homo sapiens mRNA for Musashi, complete cds /c
 35045_r_at Cluster Incl. X60655:H.sapiens EVX1 mRNA /cds=(228,1451) /gb=X60655 /
 32274_r_at Cluster Incl. AF052148:Homo sapiens clone 24507 mRNA sequence /cds=UN
 32933_r_at Cluster Incl. AL050122:Homo sapiens mRNA; cDNA DKFZp586E121 (from clo
 33293_at Cluster Incl. AB023167:Homo sapiens mRNA for KIAA0950 protein, partial
25 32162_r_at Cluster Incl. AI817548:wk24e08.x1 Homo sapiens cDNA, 3 end /clone=IM
 37404_at Cluster Incl. AF030152:Homo sapiens regulator of G protein signaling 12
 2030_at N95031 /FEATURE= /DEFINITION=N95031 zb32b01.s1 Soares_parathyroid_tumor_
 1092_at M65199 /FEATURE= /DEFINITION=HUMET2A Human endothelin 2 (ET2) mRNA,
 comp
30 1026_s_at U41068 /FEATURE=cds /DEFINITION=HSCOLLA5 Human collagen alpha2(XI)
 (CO

METAGENE 265 :

- 35** 35588_at Cluster Incl. AB011414:Homo sapiens ZK1 mRNA for Kruppel-type zinc fing
 31798_at Cluster Incl. AA314825:EST186646 Homo sapiens cDNA, 5 end /clone=ATCC-
 35669_at Cluster Incl. AB014533:Homo sapiens mRNA for KIAA0633 protein, partial
 36828_at Cluster Incl. AB002324:Human mRNA for KIAA0326 gene, partial cds /cds=(
 36643_at Cluster Incl. L20817:Homo sapiens tyrosine protein kinase (CAK) gene, c

40273_at Cluster Incl. AA485440:zx90g03.s1 Homo sapiens cDNA, 3' end /clone=IMAG
 1007_s_at U48705 /FEATURE=mRNA /DEFINITION=HSU48705 Human receptor tyrosine
 kina

5 METAGENE 266 :

35377_at Cluster Incl. AL080159:Homo sapiens mRNA; cDNA DKFZp434M154 (from
 clone

37618_at Cluster Incl. M16937:Human homeo box c1 protein, mRNA, complete cds /cd

10 38733_at Cluster Incl. M30938:Human Ku (p70/p80) subunit mRNA, complete cds /cds

32554_s_at Cluster Incl. Y12781:Homo sapiens mRNA for transducin (beta) like 1 p

1855_at X14445 /FEATURE=expanded_cds /DEFINITION=HSINT2 Human int-2 proto-oncogene

1187_at X84740 /FEATURE=mRNA /DEFINITION=HSDNALIG3 H.sapiens mRNA for DNA
 ligase

15 585_at M30938 /FEATURE=mRNA#2 /DEFINITION=HUMKUP Human Ku (p70/p80) subunit
 mRNA

METAGENE 267 :

20 37467_at Cluster Incl. K02882:Human germline IgD chain gene, C-region, C-delta-1

METAGENE 268 :

39658_at Cluster Incl. AB007901:Homo sapiens KIAA0441 mRNA, complete cds /cds=(1

25 34740_at. Cluster Incl. AF032886:Homo sapiens forkhead protein (FKHRL1) mRNA, com

37950_at Cluster Incl. X74496:H.sapiens mRNA for prolyl oligopeptidase /cds=(0,2

39013_at Cluster Incl. Y11588:H.sapiens mRNA for apoptosis specific protein /cds

39360_at Cluster Incl. AF034546:Homo sapiens sorting nexin 3 (SNX3) mRNA, comple

34349_at Cluster Incl. AJ011779:Homo sapiens mRNA for SEC63 protein /cds=(98,238

30 34359_at Cluster Incl. AA524058:ng33b12.s1 Homo sapiens cDNA, 3' end /clone=IMAG

34819_at Cluster Incl. D14043:Human mRNA for MGC-24, complete cds /cds=(79,648)

41798_at Cluster Incl. AJ222801:Homo sapiens mRNA for neutral sphingomyelinase /

202_at M65217 /FEATURE= /DEFINITION=HUMHSF2 Human heat shock factor 2 (HSF2) mRN

35 METAGENE 269 :

39788_at Cluster Incl. X81889:H.sapiens mRNA for p0071 protein /cds=(141,3776) /

34776_at Cluster Incl. W27541:32c12 Homo sapiens cDNA /gb=W27541 /gi=1307345 /ug

34780_at Cluster Incl. AB002313:Human mRNA for KIAA0315 gene, partial cds /cds=(

- 35844_at Cluster Incl. D79206:Homo sapiens gene for ryudocan core protein, exon1
 2047_s_at M23410 /FEATURE= /DEFINITION=HUMPLAKO Human plakoglobin (PLAK)
 mRNA, c
 2051_at M31767 /FEATURE=mRNA /DEFINITION=HUMDNAMET Human O6-methylguanine-
5 DNA me
 1532_g_at U50535 /FEATURE= /DEFINITION=HSU50535 Human BRCA2 region, mRNA
 sequenc
 634_at L41351 /FEATURE=mRNA /DEFINITION=HUMPROS Homo sapiens prostatic mRNA,
 com
10 METAGENE 270 :
 31342_at Cluster Incl. X85019:H.sapiens mRNA for UDP-GalNAc-polypeptide N-acetyl
 31682_s_at Cluster Incl. D32039:Human pgH3 mRNA for proteoglycan PG-M(V3), compl
15 31720_s_at Cluster Incl. M10905:Human cellular fibronectin mRNA /cds=(0,2383) /g
 35474_s_at Cluster Incl. Y15915:Homo sapiens mRNA for chimaeric transcript of co
 39254_at Cluster Incl. AL050011:Homo sapiens mRNA; cDNA DKFZp564G013 (from
 clone
 41098_at Cluster Incl. AB002379:Human mRNA for KIAA0381 gene, partial cds /cds=(
20 32098_at Cluster Incl. M20777:Homo sapiens, alpha-2 (VI) collagen /cds=UNKNOWN /
 34747_at Cluster Incl. X83535:H.sapiens mRNA for membrane-type matrix metallopro
 39018_at Cluster Incl. AF026977:Homo sapiens microsomal glutathione S-transferas
 40126_at Cluster Incl. Z97200:Homo sapiens DNA sequence from PAC 79C4 on chromos
 41350_at Cluster Incl. M20776:Homo sapiens, alpha-1 (VI) collagen /cds=UNKNOWN /
25 311_s_at Fibronectin, Alt. Splice 1
 128_at X82153 /FEATURE=cds /DEFINITION=HSOC2RNA H.sapiens mRNA for cathepsin O
 129_g_at X82153 /FEATURE=cds /DEFINITION=HSOC2RNA H.sapiens mRNA for
 cathepsin O
30 METAGENE 271 :
 33499_s_at Cluster Incl. AF067420:Homo sapiens SNC73 protein (SNC73) mRNA, compl
 33500_i_at Cluster Incl. S71043:Ig alpha 2=immunoglobulin A heavy chain allotype
 33501_r_at Cluster Incl. S71043:Ig alpha 2=immunoglobulin A heavy chain allotype
35 33382_at Cluster Incl. M92449:Human LTR mRNA, 3' end of coding region and 3' fla
 38124_at Cluster Incl. X55110:Human mRNA for neurite outgrowth-promoting protein
 577_at M94250 /FEATURE=expanded_cds /DEFINITION=HUMMKXX Human retinoic acid
 indu

METAGENE 272 :

- 33674_at Cluster Incl. Z49148:H.sapiens mRNA for ribosomal protein L29 /cds=(29,
41108_at Cluster Incl. Y14391:Homo sapiens mRNA for putative GTP-binding protein
5 41115_s_at Cluster Incl. AB018277:Homo sapiens mRNA for KIAA0734 protein, partia
41637_at Cluster Incl. AF108145:Homo sapiens MYLE mRNA, complete cds /cds=(52,25
41865_at Cluster Incl. AF052185:Homo sapiens clone 24418 mRNA sequence /cds=UNKN
33315_at Cluster Incl. M29204:Human DNA-binding factor mRNA, complete cds /cds=(
34260_at Cluster Incl. AB014583:Homo sapiens mRNA for KIAA0683 protein, complete
10 35987_g_at Cluster Incl. AL050395:Homo sapiens mRNA; cDNA DKFZp586D1020 (from cl
36519_at Cluster Incl. M13194:Human excision repair protein (ERCC1) mRNA, comple
36553_at Cluster Incl. AA669799:ag36c04.s1 Homo sapiens cDNA, 3 end /clone=IMAG
38251_at Cluster Incl. AI127424:qb75b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
38274_at Cluster Incl. U09584:Human PL6 protein (PL6) mRNA, complete cds /cds=(2
15 32858_at Cluster Incl. AI341565:qq94g11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
34841_at Cluster Incl. AC002544:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-
35265_at Cluster Incl. U31501:Human fragile X mental retardation syndrome relate
36137_at Cluster Incl. X86691:H.sapiens mRNA for 218kD Mi-2 protein /cds=(89,582
36624_at Cluster Incl. L33842:Homo sapiens (clone FFE-7) type II inosine monopho
20 37713_at Cluster Incl. L07548:Human aminoacylase-1 (ACY1) mRNA, complete cds /cd
38376_at Cluster Incl. L46590:Homo sapiens very long chain acyl-CoA dehydrogenas
38798_s_at Cluster Incl. AI741833:wg29e04.x1 Homo sapiens cDNA, 3 end /clone=IM
39867_at Cluster Incl. S75463:P43=mitochondrial elongation factor homolog [human
2052_g_at M31767 /FEATURE=mRNA /DEFINITION=HUMDNAMET Human O6-
25 methylguanine-DNA
1878_g_at M13194 /FEATURE=mRNA /DEFINITION=HUMERCC1 Human excision repair
protei
1817_at D89667 /FEATURE= /DEFINITION=D89667 Homo sapiens mRNA for c-myc binding
1468_at U12595 /FEATURE= /DEFINITION=HSU12595 Human tumor necrosis factor type 1
30 1243_at U18300 /FEATURE= /DEFINITION=HSU18300 Human damage-specific DNA binding

METAGENE 273 :

- 35907_at Cluster Incl. Z36714:H.sapiens mRNA for cyclin F /cds=(43,2403) /gb=Z36
35 41400_at Cluster Incl. K02581:Human thymidine kinase mRNA, complete cds /cds=(57
37184_at Cluster Incl. L37792:Human syntaxin 1A mRNA, complete cds /cds=(1,867)
37927_at Cluster Incl. X12654:Human mRNA for cell cycle gene RCC1 /cds=(182,1447
37985_at Cluster Incl. L37747:Homo sapiens lamin B1 gene /cds=(340,2100) /gb=L37
37305_at Cluster Incl. U61145:Human enhancer of zeste homolog 2 (EZH2) mRNA, com

- 37326_at Cluster Incl. U93305:Homo sapiens A4 differentiation-dependent protein
- 38094_at Cluster Incl. M65028:Human hnRNP type A/B protein mRNA, complete cds /c
- 39108_at Cluster Incl. U22526:Human 2,3-oxidosqualene-lanosterol cyclase mRNA, c
- 40532_at Cluster Incl. U75285:Homo sapiens apoptosis inhibitor survivin gene, co
- 5** 32617_at Cluster Incl. W74442:zd75e09.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 33135_at Cluster Incl. U17566:Human 65 kDa hydrophobic protein mRNA, complete cd
- 1854_at X13293 /FEATURE=cds /DEFINITION=HSBMYB Human mRNA for B-myb gene
- 1782_s_at M31303 /FEATURE=mRNA /DEFINITION=HUMOP18A Human oncoprotein 18 (Op18)
- 10** 967_g_at X97795 /FEATURE=cds /DEFINITION=HSRAD54 H.sapiens mRNA homologous to S.
- 348_at D14678 /FEATURE= /DEFINITION=HUMMHCB Human mRNA for kinesin-related prote
- METAGENE 274 :
- 15**
- 31685_at Cluster Incl. Y08976:H.sapiens mRNA for FEV protein /cds=(584,1300) /gb
- 31759_at Cluster Incl. W26220:22d9 Homo sapiens cDNA /gb=W26220 /gi=1306631 /ug=
- 33685_at Cluster Incl. AC004755:Homo sapiens chromosome 19, fosmid 37502 /cds=(0
- 33503_at Cluster Incl. W29105:56d8 Homo sapiens cDNA /gb=W29105 /gi=1309071 /ug=
- 20** 34525_at Cluster Incl. AB018563:Homo sapiens TML1 mRNA, complete cds /cds=(30,41
- 34926_at Cluster Incl. M28825:Human thymocyte antigen CD1a mRNA, complete cds /c
- 36765_at Cluster Incl. AL080154:Homo sapiens mRNA; cDNA DKFZp434I114 (from clone
- 36779_at Cluster Incl. X90908:H.sapiens mRNA for I-15P (I-BABP) protein /cds=(12
- 38506_at Cluster Incl. X58840:Human mRNA for variant hepatic nuclear factor 1 (v
- 25** 41030_at Cluster Incl. X99350:H.sapiens HFH4 gene, exon 1 and joined CDS /cds=(2
- 41099_at Cluster Incl. X84740:H.sapiens mRNA for DNA ligase III /cds=(333,3101)
- 33740_at Cluster Incl. AF023268:Homo sapiens clk2 kinase (CLK2), propin1, cote1,
- 33754_at Cluster Incl. U43203:Human thyroid transcription factor 1 (TTF-1) mRNA,
- 33808_at Cluster Incl. AL022721:dJ109F14.1.1 (Transcriptional Enhancer Factor TE
- 30** 35686_s_at Cluster Incl. Z24459:H.sapiens MTCP1 gene, exons 2A to 7 (and joined
- 33346_r_at Cluster Incl. M61764:Human gamma-tubulin mRNA, complete cds /cds=(24,
- 33857_at Cluster Incl. N25122:yx19d10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 34298_at Cluster Incl. X69532:H.sapiens gene for inter-alpha-trypsin inhibitor h
- 36613_at Cluster Incl. U09585:Homo sapiens putative interferon-related protein (
- 35** 38468_at Cluster Incl. U65676:Human Hermansky-Pudlak syndrome protein (HPS) mRNA
- 40584_at Cluster Incl. Y08612:Homo sapiens mRNA for nuclear pore complex protein
- 41359_at Cluster Incl. Z98265:Homo sapiens mRNA for plakophilin 3 /cds=(74,2467)
- 1524_at U46194 /FEATURE= /DEFINITION=HSU46194 Human renal cell carcinoma antigen

METAGENE 275 :

- 31472_s_at Cluster Incl. AF098641:Homo sapiens CD44 isoform RC (CD44) mRNA, comp
 34649_at Cluster Incl. M14219:Human chondroitin/dermatan sulfate proteoglycan (P
 5 2036_s_at M59040 /FEATURE= /DEFINITION=HUMCD44B Human cell adhesion
 molecule (CD
 1125_s_at L05424 /FEATURE=cds#1 /DEFINITION=HUMSCG19 Human cell surface
 glycopro
 1126_s_at L05424 /FEATURE=cds#5 /DEFINITION=HUMSCG19 Human cell surface
 10 glycopro

METAGENE 276 :

- 38863_at Cluster Incl. L07540:Human replication factor C, 36-kDa subunit mRNA, c
 15 32115_r_at Cluster Incl. X68486:H.sapiens mRNA for A2a adenosine receptor /cds=(
 40821_at Cluster Incl. M61832:Human S-adenosylhomocysteine hydrolase (AHCY) mRNA
 1410_at J03258 /FEATURE=mRNA /DEFINITION=HUMVDR Human vitamin D receptor mRNA,
 c
 1191_s_at AB003102 /FEATURE= /DEFINITION=AB003102 Homo sapiens mRNA for 26S
 20 prot
 981_at X74794 /FEATURE=cds /DEFINITION=HSP1CDC21 H.sapiens P1-Cdc21 mRNA

METAGENE 277 :

- 25 34706_at Cluster Incl. AB011090:Homo sapiens mRNA for KIAA0518 protein, partial
 35979_at Cluster Incl. AF081287:Homo sapiens serine phosphatase FCP1a (FCP1) mRN
 36939_at Cluster Incl. D49958:Homo sapiens mRNA for membrane glycoprotein M6, co
 362_at Z15108 /FEATURE=cds /DEFINITION=HSPKCZ H.sapiens mRNA for protein kinase

30 METAGENE 278 :

- 31497_at Cluster Incl. U19142:Human GAGE-1 protein mRNA, complete cds /cds=(48,4
 31498_f_at Cluster Incl. U19147:Human GAGE-6 protein mRNA, complete cds /cds=(81
 31953_f_at Cluster Incl. U19144:Human GAGE-3 protein mRNA, complete cds /cds=(99
 35 31954_f_at Cluster Incl. AA447559:zw81e11.s1 Homo sapiens cDNA, 3' end /clone=IM
 31960_f_at Cluster Incl. U19143:Human GAGE-2 protein mRNA, complete cds /cds=(83
 33671_f_at Cluster Incl. U19145:Human GAGE-4 protein mRNA, complete cds /cds=(82
 33680_f_at Cluster Incl. AF058988:Homo sapiens melanoma antigen related GAGE-7 m
 37065_f_at Cluster Incl. U19146:Human GAGE-5 protein mRNA, complete cds /cds=(74

METAGENE 279 :

- 34133_at Cluster Incl. AL049685:Human gene from PAC 37M17, chromosome X, similar
5 36477_at Cluster Incl. X90780:Homo sapiens TNNT3 gene /cds=(143,775) /gb=X90780
 35297_at Cluster Incl. AC002400:Human Chromosome 16 BAC clone CIT987SK-A-735G6
 /
 38480_s_at Cluster Incl. U66867:Human ubiquitin conjugating enzyme 9 (hUBC9) mRNA

10 METAGENE 280 :

- 31723_at Cluster Incl. X70377:H.sapiens mRNA for cystatin D /cds=(4,432) /gb=X70
 32045_at Cluster Incl. AB002331:Human mRNA for KIAA0333 gene, partial cds /cds=(
 34693_at Cluster Incl. U14550:Human sialyltransferase SThM (sthM) mRNA, complete
15 35203_at Cluster Incl. AB002381:Human mRNA for KIAA0383 gene, partial cds /cds=(
 37891_at Cluster Incl. U79272:Human clone 23720 mRNA sequence /cds=UNKNOWN
 /gb=U
 39725_at Cluster Incl. L10910:Homo sapiens splicing factor (CC1.3) mRNA, complet
 40432_at Cluster Incl. AA522891:ni41b12.s1 Homo sapiens cDNA, 3 end /clone=IMAG
20 41126_at Cluster Incl. AA978353:oq40b07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 32174_at Cluster Incl. AF015926:Homo sapiens ezrin-radixin-moesin binding phosph
 33881_at Cluster Incl. AA977580:on61b02.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 35350_at Cluster Incl. AB011170:Homo sapiens mRNA for KIAA0598 protein, complete
 38394_at Cluster Incl. D42047:Human mRNA for KIAA0089 gene, partial cds /cds=(0,
25

METAGENE 281 :

- 34934_at Cluster Incl. L29376:Homo sapiens (clone 3.8-1) MHC class I mRNA fragme
 37112_at Cluster Incl. AB002384:Human mRNA for KIAA0386 gene, complete cds /cds=
30 38522_s_at Cluster Incl. X52785:H.sapiens CD22 mRNA /cds=(34,1977) /gb=X52785 /g
 39582_at Cluster Incl. AL050166:Homo sapiens mRNA; cDNA DKFZp586D1122 (from
 clon
 40688_at Cluster Incl. AJ223280:Homo sapiens mRNA for 36 kDa phosphotyrosine pr
 36067_at Cluster Incl. AB000887:Homo sapiens mRNA for EBI1-ligand chemokine, com
35 37579_at Cluster Incl. L47738:Homo sapiens inducible protein mRNA, complete cds
 40143_at Cluster Incl. D50930:Human mRNA for KIAA0140 gene, complete cds /cds=(2
 35786_at Cluster Incl. AB007945:Homo sapiens mRNA for KIAA0476 protein, complete

METAGENE 282 :

- 40111_g_at Cluster Incl. U49283:Human NAD⁺-specific isocitrate dehydrogenase bet
 37329_at Cluster Incl. AF053070:Homo sapiens NADH-ubiquinone dehydrogenase 51 kD
 40171_at Cluster Incl. AF062739:Homo sapiens GSK-3 binding protein FRAT2 (FRAT2)
 5 41810_at Cluster Incl. AA203545:zx59a05.r1 Homo sapiens cDNA, 5' end /clone=IMAG
 1108_s_at M18391 /FEATURE= /DEFINITION=HUMTKR Human tyrosine kinase receptor
 (ep

METAGENE 283 :

10

- 35937_at Cluster Incl. U65416:Human MHC class I molecule (MICB) gene, complete c
 38923_at Cluster Incl. L76159:Homo sapiens FRG1 mRNA, complete cds /cds=(191,967
 39670_at Cluster Incl. AL050034:Homo sapiens mRNA; cDNA DKFZp566G0224 (from
 clon
 15 38651_at Cluster Incl. U60061:Human FEZ2 mRNA, partial cds /cds=(0,461) /gb=U600
 40818_at Cluster Incl. D14041:Homo sapiens mRNA for H-2K binding factor-2, compl
 41167_at Cluster Incl. M64929:Human protein phosphatase 2A alpha subunit mRNA, c
 33133_at Cluster Incl. U80184:Homo sapiens FLII gene, complete cds /cds=(35,3844

20 METAGENE 284 :

- 35960_at Cluster Incl. AF031416:Homo sapiens Ikb kinase beta subunit mRNA, compl
 31800_at Cluster Incl. AL050136:Homo sapiens mRNA; cDNA DKFZp586L141 (from
 clone
 25 31801_at Cluster Incl. AI808712:wf57c05.x1 Homo sapiens cDNA, 3' end /clone=IMAG
 37237_at Cluster Incl. D38293:Homo sapiens mRNA for clathrin-like protein, compl
 36102_at Cluster Incl. AF038962:Homo sapiens voltage dependent anion channel pro
 36956_at Cluster Incl. L20852:Human leukemia virus receptor 2 (GLVR2) mRNA, comp
 1772_s_at L00634 /FEATURE= /DEFINITION=HUMFPTA Human farnesyl-protein
 30 transferas
 1696_at D29013 /FEATURE= /DEFINITION=HUMLNCAP Human mRNA for DNA polymerase
 beta
 1499_at L10413 /FEATURE= /DEFINITION=HUMFTA Human farnesyltransferase alpha-subu
 1137_at L20852 /FEATURE= /DEFINITION=HUMGLVR2X Human leukemia virus receptor 2 (
 35 840_at U47742 /FEATURE= /DEFINITION=HSU47742 Human monocytic leukaemia zinc fing

METAGENE 285 :

- 41051_at Cluster Incl. X95073:H.sapiens mRNA for translin associated protein X /

	41619_at	Cluster Incl. AL022398:dJ434O14.4 (Interferon Regulatory Factor 6) /cds
	32738_at	Cluster Incl. AF050640:Homo sapiens NADH-ubiquinone oxidoreductase NDUF
	34292_at	Cluster Incl. X92475:H.sapiens mRNA for ITBA1 protein /cds=(284,1069) /
	34688_at	Cluster Incl. AB029001:Homo sapiens mRNA for KIAA1078 protein, partial
5	36827_at	Cluster Incl. AF020762:Homo sapiens clone 1400 unknown protein mRNA, pa
	37256_at	Cluster Incl. AI829890:wj47a06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	37900_at	Cluster Incl. AF093670:Homo sapiens peroxisomal biogenesis factor (PEX1
	38679_g_at	Cluster Incl. AA733050:zg79b05.s1 Homo sapiens cDNA, 3 end /clone=39
	39012_g_at	Cluster Incl. X99906:Homo sapiens mRNA for alpha endosulfine /cds=(12
10	39713_at	Cluster Incl. AJ132440:Homo sapiens mRNA for PLU-1 protein /cds=(89,472
	40471_at	Cluster Incl. Y09048:H.sapiens PxF gene /cds=(10,909) /gb=Y09048 /gi=25
	40779_at	Cluster Incl. U59919:Human Smg GDS-associated protein SMAP.mRNA, comple
	41146_at	Cluster Incl. J03473:Human poly(ADP-ribose) synthetase mRNA, complete c
	41170_at	Cluster Incl. AB014563:Homo sapiens mRNA for KIAA0663 protein, complete
15	33899_at	Cluster Incl. U34252:Human gamma-aminobutyraldehyde dehydrogenase mRNA,
	34352_at	Cluster Incl. AA631698:np79a08.s1 Homo sapiens cDNA /clone=IMAGE-113250
	34385_at	Cluster Incl. U57877:Human integral membrane protein CII-3 mRNA, nuclea
	34387_at	Cluster Incl. D86960:Human mRNA for KIAA0205 gene, complete cds /cds=(2
	35296_at	Cluster Incl. AB019036:Homo sapiens mRNA for geranylgeranyl pyrophospha
20	35318_at	Cluster Incl. AB007944:Homo sapiens mRNA for KIAA0475 protein, complete
	35762_at	Cluster Incl. AB007952:Homo sapiens mRNA for KIAA0483 protein, partial
	36198_at	Cluster Incl. D13641:Human mRNA for KIAA0016 gene, complete cds /cds=(1
	36647_at	Cluster Incl. AA526812:ni92a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	38390_at	Cluster Incl. Z34975:H.sapiens LDLC mRNA /cds=(95,2311) /gb=Z34975 /gi=
25	38441_s_at	Cluster Incl. X59408:H.sapiens, gene for Membrane cofactor protein /c
	39116_at	Cluster Incl. AF070626:Homo sapiens clone 24483 unknown mRNA, parital c
	41335_at	Cluster Incl. AL050084:Homo sapiens mRNA; cDNA DKFZp566O1646 (from clon
	41354_at	Cluster Incl. U25997:Homo sapiens stanniocalcin precursor (STC) mRNA, c
30	41562_at	Cluster Incl. L13689:Human prot-oncogene (BMI-1) mRNA, complete cds /cd
	41834_g_at	Cluster Incl. AB016492:Homo sapiens hJTB gene, complete cds /cds=(464
	32504_at	Cluster Incl. AW024812:wu69c05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	1356_at	U18321 /FEATURE= /DEFINITION=HSU18321 Human ionizing radiation resistanc
	1287_at	J03473 /FEATURE=mRNA /DEFINITION=HUMRISDAD Human poly(ADP-ribose)
35	synthe	
	903_at	L42373 /FEATURE=mRNA /DEFINITION=HUMPP2A Homo sapiens phosphatase 2A
	B56-	

METAGENE 286 :

	40758_at	Cluster Incl. X81788:Homo sapiens ICT1 (alias DS-1) mRNA /cds=(2,622) /
	41480_at	Cluster Incl. AF029669:Homo sapiens Rad51C (RAD51C) mRNA, complete cds
	39073_at	Cluster Incl. AL038662:DKFZp566I0346_r1 Homo sapiens cDNA, 5' end /clone
5	39707_at	Cluster Incl. AB014547:Homo sapiens mRNA for KIAA0647 protein, partial
	40056_at	Cluster Incl. D87989:Human mRNA for UDP-galactose transporter related i
	40427_at	Cluster Incl. AA149486:z127g01.r1 Homo sapiens cDNA, 5' end /clone=IMAG
	32758_g_at	Cluster Incl. U84720:Homo sapiens mRNA export protein (RAE1) mRNA, co
	33415_at	Cluster Incl. X58965:H.sapiens RNA for nm23-H2 gene /cds=(72,530) /gb=X
10	35321_at	Cluster Incl. AB004884:Homo sapiens mRNA for PKU-alpha, partial cds /cd
	35760_at	Cluster Incl. AF087135:Homo sapiens F1FO-type ATPase subunit d mRNA, nu
	36592_at	Cluster Incl. S85655:prohibitin [human, mRNA, 1043 nt] /cds=(50,868) /g
	37766_s_at	Cluster Incl. AF035309:Homo sapiens clone 23598 mRNA, complete cds /c
	38470_i_at	Cluster Incl. D86981:Human mRNA for KIAA0228 gene, partial cds /cds=(
15	39152_f_at	Cluster Incl. U06632:Homo sapiens p80-coilin mRNA, complete cds /cds=
	40533_at	Cluster Incl. AI417038:tg78b04.x1 Homo sapiens cDNA, 3' end /clone=IMAG
	41824_at	Cluster Incl. AI140114:qa95c06.x1 Homo sapiens cDNA, 3' end /clone=IMAG
	33107_at	Cluster Incl. AB020705:Homo sapiens mRNA for KIAA0898 protein, partial
	1980_s_at	X58965 /FEATURE= /DEFINITION=HSNM23H2G H.sapiens RNA for nm23-H2
20	gene	
	1985_s_at	X73066 /FEATURE=cds /DEFINITION=HSNM23H1A H.sapiens NM23-H1
	mRNA	
	1614_s_at	X63546 /FEATURE=cds#2 /DEFINITION=HSTRE210 H.sapiens mRNA for tre
	onco	
25	1521_at	X17620 /FEATURE=mRNA /DEFINITION=HSNM23 Human mRNA for Nm23 protein,
	inv	
	508_at	U43923 /FEATURE= /DEFINITION=HSU43923 Human transcription factor SUPT4H m
	METAGENE 287 :	
30		
	32941_at	Cluster Incl. M91196:Homo sapiens DNA-binding protein mRNA, complete cd
	34947_at	Cluster Incl. AA442560:zv75g07.r1 Homo sapiens cDNA, 5' end /clone=IMAG
	38547_at	Cluster Incl. Y00796:Human mRNA for leukocyte-associated molecule-1 alp
	39210_at	Cluster Incl. M58597:Human ELAM-1 ligand fucosyltransferase (ELFT) mRNA
35	32737_at	Cluster Incl. M64595:Human small G protein (Gx) mRNA, 3' end /cds=(0,54
	35974_at	Cluster Incl. U10485:Human lymphoid-restricted membrane protein (Jaw1)
	39428_at	Cluster Incl. AF055581:Homo sapiens adaptor protein Lnk mRNA, complete
	40519_at	Cluster Incl. Y00638:Human mRNA for leukocyte common antigen (T200) /cd
	40520_g_at	Cluster Incl. Y00638:Human mRNA for leukocyte common antigen (T200) /

- 38438_at Cluster Incl. M58603:Human nuclear factor kappa-B DNA binding subunit (
- 32593_at Cluster Incl. D42043:Human mRNA for KIAA0084 gene, partial cds /cds=(0,
- 2024_s_at M79321 /FEATURE= /DEFINITION=HUMLYNTK Human Lyn B protein mRNA, comple
- 5** 1984_s_at X69549 /FEATURE=cds /DEFINITION=HSRHO2 H.sapiens mRNA for rho GDP-diss
- 1456_s_at M63838 /FEATURE= /DEFINITION=HUMIFI16A Human interferon-gamma induced
- 1146_at Cd4 Antigen
- 10** 432_s_at X02883 /FEATURE=cds /DEFINITION=HSTCRAC Human gene for T-cell receptor

METAGENE 288 :

- 15** 32318_s_at Cluster Incl. X63432:H.sapiens ACTB mRNA for mutant beta-actin (beta-
- 37448_s_at Cluster Incl. X56009:Human GSA mRNA for alpha subunit of GsGTP bindin
- 37449_i_at Cluster Incl. X04409:Human mRNA for coupling protein G(s) alpha-subun
- 37450_r_at Cluster Incl. X04409:Human mRNA for coupling protein G(s) alpha-subun
- 35360_at Cluster Incl. Y17711:Homo sapiens mRNA for atopy related autoantigen CA
- 20** 35733_at Cluster Incl. AF006082:Homo sapiens actin-related protein Arp2 (ARP2) m
- 131_at X83928 /FEATURE=cds /DEFINITION=HSTAFII28 H.sapiens mRNA for transcriptio

METAGENE 289 :

- 25** 35090_g_at Cluster Incl. AB005060:Homo sapiens mRNA for NTAK, complete cds /cds=
- 39272_g_at Cluster Incl. AA461365:zx70e07.r1 Homo sapiens cDNA, 5 end /clone=IM
- 39550_at Cluster Incl. AB011156:Homo sapiens mRNA for KIAA0584 protein, partial

METAGENE 290 :

- 30**
- 32340_s_at Cluster Incl. M85234:Human nuclease sensitive element binding protein
- 32901_s_at Cluster Incl. AC005192:Homo sapiens BAC clone RG163K11 from 7q31 /cds
- 36284_at Cluster Incl. Y12642:H.sapiens E48 gene /cds=(24,410) /gb=Y12642 /gi=27
- 39660_at Cluster Incl. AI309115:qo71a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35** 40036_at Cluster Incl. AF035940:Homo sapiens MAGOH mRNA, complete cds /cds=(65,5
- 41401_at Cluster Incl. U57646:Homo sapiens cysteine and glycine-rich protein 2 (
- 41852_at Cluster Incl. U22377:Human Zn-15 related zinc finger protein (rlf) mRNA
- 33255_at Cluster Incl. M97856:Homo sapiens histone-binding protein mRNA, complet
- 36496_at Cluster Incl. AF014398:Homo sapiens myo-inositol monophosphatase 2 mRNA

- 36832_at Cluster Incl. AB015630:Homo sapiens mRNA for type II membrane protein,
 38352_at Cluster Incl. AF016371:Homo sapiens U-snRNP-associated cyclophilin (USA
 40454_at Cluster Incl. X87241:H.sapiens mRNA for hFat protein /cds=(186,13958) /
 40506_s_at Cluster Incl. U75686:Homo sapiens polyadenylate binding protein mRNA,
 5 41762_at Cluster Incl. D64015:Homo sapiens mRNA for T-cluster binding protein, c
 33912_at Cluster Incl. Y13834:Homo sapiens mRNA for farnesylated-proteins conver
 34333_at Cluster Incl. AL021707:Human DNA sequence from clone 508I15 on chromoso
 36104_at Cluster Incl. AA526497:ni96d07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 36135_at Cluster Incl. U86602:Human nucleolar protein p40 mRNA, complete cds /cd
 10 36204_at Cluster Incl. Y00815:Human mRNA for LCA-homolog. LAR protein (leukocyte
 36671_at Cluster Incl. M27396:Human asparagine synthetase mRNA, complete cds /cd
 37679_at Cluster Incl. Y10313:Homo sapiens mRNA IFRD1 (PC4) interferon-related d
 37749_at Cluster Incl. D78611:Human MEST mRNA, complete cds /cds=(223,1230) /gb=
 40271_at Cluster Incl. D42085:Human mRNA for KIAA0095 gene, complete cds /cds=(6
 15 2035_s_at M55914 /FEATURE= /DEFINITION=HUMCMYCQ Human c-myc binding
 protein (MBP
 980_at AF002020 /FEATURE= /DEFINITION=AF002020 Homo sapiens Niemann-Pick C disea
 738_at D38524 /FEATURE= /DEFINITION=HUM5N Human mRNA for 5 -nucleotidase
 20 METAGENE 291 :
 31431_at Cluster Incl. U12255:Human IgG Fc receptor hFcRn mRNA, complete cds /cd
 31492_at Cluster Incl. AB019392:Homo sapiens mRNA of muscle specific gene M9, co
 36749_at Cluster Incl. M73720:Human mast cell carboxypeptidase A (MC-CPA) gene /
 25 41102_at Cluster Incl. U66359:Human T54 protein (T54) mRNA, complete cds /cds=(6
 41662_at Cluster Incl. AL050272:Homo sapiens mRNA; cDNA DKFZp566B183 (from
 clone
 36461_at Cluster Incl. U41804:Human putative T1/ST2 receptor binding protein pre
 36492_at Cluster Incl. AI347155:tc04c11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 30 36530_g_at Cluster Incl. AI885381:w193b01.x1 Homo sapiens cDNA, 3 end /clone=IM
 36531_r_at Cluster Incl. AC005757:Homo sapiens chromosome 19, cosmid R32611 /cds
 38719_at Cluster Incl. U03985:Human N-ethylmaleimide-sensitive factor mRNA, part
 39075_at Cluster Incl. AF040958:Homo sapiens lysosomal neuraminidase precursor,
 40078_at Cluster Incl. AF015287:Homo sapiens serine protease mRNA, complete cds
 35 40410_at Cluster Incl. W26651:34c5 Homo sapiens cDNA /gb=W26651 /gi=1307494 /ug=
 40514_at Cluster Incl. AF091085:Homo sapiens clone 638 unknown mRNA, complete se
 32799_at Cluster Incl. AF023268:Homo sapiens clk2 kinase (CLK2), propin1, cote1,
 33347_at Cluster Incl. AA883868:am26e11.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 35351_at Cluster Incl. U89505:Human Hlark mRNA, complete cds /cds=(55,1155) /gb=

- 36194_at Cluster Incl. M63959:Human alpha-2-macroglobulin receptor-associated pr
 36989_at Cluster Incl. L19711:Human dystroglycan (DAG1) mRNA, complete cds /cds=
 37315_f_at Cluster Incl. AI057607:oy31e07.x1 Homo sapiens cDNA, 3 end /clone=IM
 37361_at Cluster Incl. AF010187:Homo sapiens FGF-1 intracellular binding protein
 5 37704_at Cluster Incl. Z14093:H.sapiens mRNA for branched chain decarboxylase al
 38054_at Cluster Incl. AF029890:Homo sapiens hepatitis B virus X interacting pro
 38439_at Cluster Incl. L24123:Homo sapiens NRF1 protein (NRF1) mRNA
 /cds=UNKNOWN
 38451_at Cluster Incl. T58471:yb61c11.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
 10 32528_at Cluster Incl. Z50853:H.sapiens mRNA for CLPP /cds=(19,852) /gb=Z50853 /
 32574_at Cluster Incl. X59960:H.sapiens mRNA for sphingomyelinase /cds=(122,2005
 1444_at AB003177 /FEATURE= /DEFINITION=AB003177 Homo sapiens mRNA for proteasome
 1257_s_at L42379 /FEATURE=mRNA /DEFINITION=HUMBPGF Homo sapiens bone-
 derived gro
 15 1142_at Fibroblast Growth Factor Receptor K-Sam, Alt. Splice 1
 338_at AF005887 /FEATURE= /DEFINITION=AF005887 Homo sapiens ATF family member AT
 180_at S82470 /FEATURE= /DEFINITION=S82470 BB1=malignant cell expression-enhance
 115_at X14787 /FEATURE=cds /DEFINITION=HSTS Human mRNA for thrombospondin
 20 METAGENE 292 :
 36305_at Cluster Incl. M95167:Homo sapiens dopamine transporter (SLC6A3) mRNA, c
 37447_at Cluster Incl. AF015257:Homo sapiens flow-induced endothelial G protein-
 37510_at Cluster Incl. AF036715:Homo sapiens syntaxin 8 mRNA, complete cds /cds=
 25 36865_at Cluster Incl. AB018302:Homo sapiens mRNA for KIAA0759 protein, partial
 37599_at Cluster Incl. AF017060:untitled /cds=(298,4314) /gb=AF017060 /gi=234315
 33444_at Cluster Incl. D30756:Human mRNA for KIAA0049 gene, complete cds /cds=(1
 38741_at Cluster Incl. U70728:Human cytohesin-2 mRNA, complete cds /cds=(158,136
 1246_at U35234 /FEATURE= /DEFINITION=HSU35234 Human protein tyrosine phosphatase
 30 METAGENE 293 :
 33633_at Cluster Incl. AF030335:Homo sapiens purinergic P2Y11 receptor (P2Y11) m
 38594_i_at Cluster Incl. AB006622:Homo sapiens mRNA for KIAA0284 gene, partial c
 35 39258_at Cluster Incl. AI627877:ty20b09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 32622_at Cluster Incl. L36983:Homo sapiens dynamin (DNM) mRNA, complete cds /cds
 38259_at Cluster Incl. AB002559:Homo sapiens mRNA for hunc18b2, complete cds /cd
 35749_at Cluster Incl. AF069733:Homo sapiens ADA3-like protein mRNA, complete cd
 36644_at Cluster Incl. D29963:Homo sapiens mRNA for CD151, complete cds /cds=(84

- 41281_s_at Cluster Incl. AF060502:Homo sapiens peroxisome assembly protein PEX10
 41282_s_at Cluster Incl. AA194159:zr37h01.r1 Homo sapiens cDNA, 5' end /clone=IM
 41526_at Cluster Incl. AF072836:Homo sapiens Sox-like transcriptional factor mRNA
 2084_s_at D12765 /FEATURE= /DEFINITION=HUME1AF Human mRNA for E1A-F
- 5** 1700_at U82987 /FEATURE= /DEFINITION=HSU82987 Human Bcl-2 binding component 3 (b
 1397_at L32976 /FEATURE= /DEFINITION=HUMMLK3A Human protein kinase (MLK-3)
 mRNA,
 1374_g_at M31523 /FEATURE= /DEFINITION=HUMTFAA Human transcription factor
 (E2A)
- 10** 1271_g_at L19067 /FEATURE= /DEFINITION=HUMNFKB65A Human NF-kappa-B
 transcription
 993_at X54637 /FEATURE=cds /DEFINITION=HSTYK2 Human tyk2 mRNA for non-receptor p
 505_at U43077 /FEATURE= /DEFINITION=HSU43077 Human CDC37 homolog mRNA,
 complete
- 15** METAGENE 294 :
- 35925_at Cluster Incl. AF040639:Homo sapiens aflatoxin B1-aldehyde reductase mRNA
 36778_at Cluster Incl. Z48804:H.sapiens mRNA (ocular albinism type 1 related) /c
- 20** 37780_at Cluster Incl. AB011131:Homo sapiens mRNA for KIAA0559 protein, partial
 41111_at Cluster Incl. U68418:Human branched chain aminotransferase precursor (B
 37897_s_at Cluster Incl. AI985964:wr79d08.x1 Homo sapiens cDNA, 3' end /clone=IM
 38292_at Cluster Incl. AF093264:Homo sapiens homer-2b mRNA, complete cds /cds=(0
 39369_at Cluster Incl. AB023152:Homo sapiens mRNA for KIAA0935 protein, partial
- 25** 38418_at Cluster Incl. X59798:Human PRAD1 mRNA for cyclin /cds=(147,1034) /gb=X5
 39087_at Cluster Incl. U28249:Human 11kd protein mRNA, complete cds /cds=(259,59
 2017_s_at M64349 /FEATURE= /DEFINITION=HUMCYCD1 Human cyclin D (cyclin D1)
 mRNA,
 2020_at M73554 /FEATURE= /DEFINITION=HUMBCL1 Human bcl-1 mRNA, complete CDS
- 30** METAGENE 295 :
- 542_at S74445 /FEATURE= /DEFINITION=S74445 cellular retinoic acid-binding protei
 543_g_at S74445 /FEATURE= /DEFINITION=S74445 cellular retinoic acid-binding prot
- 35** METAGENE 296 :
- 34591_at Cluster Incl. S79854:type 3 iodothyronine deiodinase=selenoenzyme [huma
 34602_at Cluster Incl. D63160:Homo sapiens DNA for lectin P35 /cds=(10,951) /gb=

- 34050_at Cluster Incl. AC003034:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-
- 36330_at Cluster Incl. Y17448:Homo sapiens CCBL1 gene, last two exons /cds=(0,14
- 37785_at Cluster Incl. U69563:U69563 Homo sapiens cDNA /clone=25050 /gb=U69563 /
- 39655_at Cluster Incl. M26901:Human renin gene /cds=(90,1301) /gb=M26901 /gi=488
- 5 40733_f_at Cluster Incl. D89377:Homo sapiens mRNA for MSX-2, complete cds /cds=(
- 41399_at Cluster Incl. AB029034:Homo sapiens mRNA for KIAA1111 protein, partial
- 32122_at Cluster Incl. L31573:Human sulfite oxidase mRNA, complete cds /cds=(903
- 1290_g_at L02321 /FEATURE= /DEFINITION=HUMGSTM5 Human glutathione S-transferase
- 10 820_at U77604 /FEATURE= /DEFINITION=HSU77604 Homo sapiens microsomal glutathione

METAGENE 297 :

- 33689_s_at Cluster Incl. AF012434:untitled /cds=(38,394) /gb=AF012434 /gi=235291
- 15 40042_r_at Cluster Incl. U82381:Human proline dehydrogenase/proline oxidase (PRO
- 40745_at Cluster Incl. L13939:Homo sapiens beta adaptin (BAM22) mRNA, complete c
- 41107_at Cluster Incl. AB002372:Human mRNA for KIAA0374 gene, complete cds /cds=
- 41380_at Cluster Incl. AF053003:Homo sapiens diphthamide biosynthesis protein-2
- 41606_at Cluster Incl. AJ005940:Homo sapiens mRNA for GTP-binding protein /cds=(
- 20 41869_at Cluster Incl. U78310:Homo sapiens pescadillo mRNA, complete cds /cds=(5
- 31874_at Cluster Incl. Y07846:H.sapiens mRNA for GAR22 protein /cds=(132,1145) /
- 34679_at Cluster Incl. X02596:Human mRNA for bcr (breakpoint cluster region) gen
- 36027_at Cluster Incl. AA418779:zv98d05.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 36058_at Cluster Incl. AL096741:Homo sapiens mRNA; cDNA DKFZp586O0223 (from
- 25 clon
- 36475_at Cluster Incl. Z97630:Human DNA sequence from clone 466N1 on chromosome
- 38617_at Cluster Incl. D45906:Homo sapiens mRNA for LIMK-2, complete cds /cds=(1
- 38713_at Cluster Incl. Z99716:bK250D10.1 (sterol regulatory element binding tran
- 41758_at Cluster Incl. AL096879:Novel human mRNA similar to C. elegans gene WP-C
- 30 32151_at Cluster Incl. X82260:H.sapiens mRNA for RanGTPase activating protein 1
- 32745_at Cluster Incl. AF034091:Homo sapiens nuclear localization signal contain
- 32852_at Cluster Incl. U78678:Human thioredoxin mRNA, nuclear gene encoding mito
- 33366_at Cluster Incl. AL022238:dJ1042K10.2.1 (novel protein with probable rabGA
- 39134_at Cluster Incl. AJ006973:Homo sapiens mRNA for TOM1 protein /cds=(61,1539
- 35 895_at L19686 /FEATURE=mRNA /DEFINITION=HUMMIF Homo sapiens macrophage migration
- 864_at U07664 /FEATURE=expanded_cds /DEFINITION=HSHB9HB2 Human HB9 homeobox gene
- 374_f_atZ84718 /FEATURE=cds#5 /DEFINITION=HS322B1 Human DNA sequence from clone

METAGENE 298 :

- 32993_s_at Cluster Incl. U70824:Human BLu protein (BLu) mRNA, complete cds /cds=
5 32965_f_at Cluster Incl. W28645:52e8 Homo sapiens cDNA /gb=W28645 /gi=1308800 /u
 40060_r_at Cluster Incl. AF061258:Homo sapiens LIM protein mRNA, complete cds /c
 34893_at Cluster Incl. AI557064:PT2.1_13_A12.r Homo sapiens cDNA, 3 end /clone_

METAGENE 299 :

10

- 31822_at Cluster Incl. L12579:Human alternatively spliced CUTL1 mRNA, complete c
 39058_at Cluster Incl. U01147:Human guanine nucleotide regulatory protein (ABR)
 36606_at Cluster Incl. X51405:Human mRNA for carboxypeptidase E (EC 3.4.17.10) /
 37003_at Cluster Incl. X62654:H.sapiens gene for Me491/CD63 antigen /cds=(69,785

15

METAGENE 300 :

- 39624_at Cluster Incl. D89078:Homo sapiens mRNA for leukotriene b4 receptor, com
 40365_at Cluster Incl. M63904:Human G-alpha 16 protein mRNA, complete cds /cds=(
20 32670_at Cluster Incl. L38969:Homo sapiens thrombospondin 3 (THBS3) gene, comple
 33750_at Cluster Incl. X97198:H.sapiens mRNA for receptor phosphate PCP-2 /cds=(
 34218_at Cluster Incl. U57099:Human APEG-1 mRNA, complete cds /cds=(125,466) /gb
 35668_at Cluster Incl. AJ001014:Homo sapiens mRNA encoding RAMP1 /cds=(32,478) /
 39022_at Cluster Incl. AL050110:Homo sapiens mRNA; cDNA DKFZp586J0619 (from clon
25 40147_at Cluster Incl. U18009:Human chromosome 17q21 mRNA clone LF113 /cds=(0,93
 32158_at Cluster Incl. U53174:Human cell cycle checkpoint control protein mRNA,
 34412_s_at Cluster Incl. U59632:Homo sapiens H5 mRNA, partial cds; and platelet
 1497_at L04270 /FEATURE= /DEFINITION=HUMTNFRRP Homo sapiens (clone CD18) tumor n

30 METAGENE 301 :

- 31680_at Cluster Incl. M55630:Human topoisomerase I pseudogene 2 /cds=UNKNOWN /g
 33484_at Cluster Incl. Y10571:H.sapiens mRNA for dinG gene /cds=(12,1022) /gb=Y1
 37106_at Cluster Incl. D89928:Homo sapiens HKL1 mRNA, complete cds /cds=(152,196
35 33264_at Cluster Incl. X89602:H.sapiens mRNA for rTS beta protein /cds=(17,1267)
 33797_at Cluster Incl. X98494:H.sapiens mRNA for M phase phosphoprotein 10 /cds=
 34199_at Cluster Incl. AJ131244:Homo sapiens mRNA for Sec24 protein (Sec24A isof
 34215_at Cluster Incl. L03426:Human XE7 mRNA, complete alternate coding regions
 35240_at Cluster Incl. W28983:54f11 Homo sapiens cDNA /gb=W28983 /gi=1308931 /ug

- 35662_at Cluster Incl. U20536:Human cysteine protease Mch2 isoform alpha (Mch2)
 36080_at Cluster Incl. AB002332:Human mRNA for KIAA0334 gene, complete cds /cds=
 36514_at Cluster Incl. U66469:Human cell growth regulator CGR19 mRNA, complete c
 36928_at Cluster Incl. X70394:H.sapiens OZF mRNA /cds=(856,1734) /gb=X70394 /gi=
5 38365_at Cluster Incl. AF026086:Homo sapiens peroxisome biogenesis disorder prot
 39415_at Cluster Incl. X72727:H.sapiens tump mRNA for transformation upregulated
 39436_at Cluster Incl. AF079221:Homo sapiens BCL2/adenovirus E1B 19kDa-interacti
 40780_at Cluster Incl. AF016507:Homo sapiens C-terminal binding protein 2 mRNA,
 41185_f_at Cluster Incl. AI971724:wr07a04.x1 Homo sapiens cDNA, 3 end /clone=IM
10 41741_at Cluster Incl. U28686:Human putative RNA binding protein RNPL mRNA, comp
 33836_at Cluster Incl. AC002045:Human Chromosome 16 BAC clone CIT987SK-A-589H1
 /
 33893_r_at Cluster Incl. AB007939:Homo sapiens mRNA for KIAA0470 protein, comple
 33907_at Cluster Incl. AF012072:Homo sapiens eIF4GII mRNA, complete cds /cds=(25
15 34337_s_at Cluster Incl. AJ010014:Homo sapiens mRNA for M96A protein /cds=(243,2
 34817_s_at Cluster Incl. U70671:Human ataxin-2 related protein mRNA, partial cds
 35306_at Cluster Incl. AB001636:Homo sapiens mRNA for ATP-dependent RNA helicase
 36957_at Cluster Incl. W22296:65A11 Homo sapiens cDNA /clone=(not-directional) /
 37650_at Cluster Incl. U41315:Human ring zinc-finger protein (ZNF127-Xp) gene an
20 40218_at Cluster Incl. U60808:Human CDP-diacylglycerol synthase (CDS) mRNA, comp
 41597_s_at Cluster Incl. AF047442:Homo sapiens vesicle trafficking protein sec22
 41821_at Cluster Incl. AA203246:zx54h03.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 1030_s_at U07806 /FEATURE= /DEFINITION=HSU07806 Human camptothecin resistant
 clo
25 1017_at U73737 /FEATURE=mRNA /DEFINITION=HUMMSH06 Human hMSH6 gene, exons 6-
 10 a

METAGENE 302 :

- 30** 33583_r_at Cluster Incl. AA523313:ni41h09.s1 Homo sapiens cDNA, 3 end /clone=IM
 36368_at Cluster Incl. AF054998:Homo sapiens clone 24479 mRNA sequence /cds=UNKN
 34415_at Cluster Incl. Z22536:Homo sapiens ALK-4 mRNA, complete CDS /cds=(0,1517
 40674_s_at Cluster Incl. S82986:HOXC6=homeodomain-containing protein {clone 211}
 41074_at Cluster Incl. AF062006:Homo sapiens orphan G protein-coupled receptor H
35 32681_at Cluster Incl. S68616:Na⁺/H⁺ exchanger NHE-1 isoform [human, heart, mRNA
 34182_at Cluster Incl. U18932:Human heparan sulfate-N-deacetylase/N-sulfotransfe
 34273_at Cluster Incl. AI267373:aq64c09.x1 Homo sapiens cDNA /clone=IMAGE-203569
 33398_at Cluster Incl. AB014570:Homo sapiens mRNA for KIAA0670 protein, partial
 35745_f_at Cluster Incl. X78136:H.sapiens hnRNP-E2 mRNA /cds=(22,1119) /gb=X7813

39128_r_at Cluster Incl. X73478:H.sapiens hPTPA mRNA /cds=(189,1160) /gb=X73478

METAGENE 303 :

- 5** 37131_at Cluster Incl. AB008390:Homo sapiens mRNA for neuropsin type1, complete
 38143_at Cluster Incl. L33404:Human stratum corneum chymotryptic enzyme mRNA, co
 33410_at Cluster Incl. S66213:integrin alpha 6B [human, mRNA Partial, 528 nt] /c

METAGENE 304 :

10

- 33746_at Cluster Incl. D88208:Homo sapiens hSGT1 mRNA for hSgt1p, complete cds /
 38697_at Cluster Incl. AL050274:Homo sapiens mRNA; cDNA DKFZp566C243 (from
 clone
 39004_at Cluster Incl. AI432190:tg77f11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
15 39357_at Cluster Incl. U72514:Human C2f mRNA, complete cds /cds=(0,720) /gb=U725
 32842_at Cluster Incl. X89984:H.sapiens mRNA for BCL7A protein /cds=(953,1648) /
 35305_at Cluster Incl. X95762:H.sapiens mRNA for aminopeptidase P-like /cds=(0,1
 35349_at Cluster Incl. AF031647:Homo sapiens JAB1-containing signalosome subunit
 36954_at Cluster Incl. D86972:Human mRNA for KIAA0218 gene, complete cds /cds=(3
20 41790_at Cluster Incl. AL031230:dJ73M23.2 (NAD⁺-dependent succinic semialdehyde

METAGENE 305 :

- 31636_s_at Cluster Incl. U09210:Human vesicular acetylcholine transporter mRNA,
25 37088_at Cluster Incl. AF059681:Homo sapiens serine/threonine kinase 13 (STK13)
 33727_r_at Cluster Incl. AB029011:Homo sapiens mRNA for KIAA1088 protein, partia
 39705_at Cluster Incl. AB014600:Homo sapiens mRNA for KIAA0700 protein, partial
 32189_g_at Cluster Incl. M96980:Homo sapiens myelin transcription factor 1 (MTF1
 41293_at Cluster Incl. AI123710:oo16h01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30 41497_at Cluster Incl. AI401296:tg92c03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 2046_at M21536 /FEATURE= /DEFINITION=HUMERG12 Human erg protein (ets-related gen

METAGENE 306 :

- 35** 33770_at Cluster Incl. AF009225:Homo sapiens Ikb kinase alpha subunit (IKK alpha
 38262_at Cluster Incl. AF052107:Homo sapiens clone 23620 mRNA sequence /cds=UNKN
 39388_at Cluster Incl. AA902713:ok71f11.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 650_s_at L07044 /FEATURE= /DEFINITION=HUMCCDPKB Homo sapiens
 calcium/calmodulin-

METAGENE 307 :

	31410_at	Cluster Incl. AF023614:Homo sapiens transmembrane activator and CAML in
5	31559_at	Cluster Incl. U26209:Human renal sodium/dicarboxylate cotransporter (NA
	31594_at	Cluster Incl. Y16788:Homo sapiens hHa3-I gene, complete CDS /cds=(0,121
	31947_r_at	Cluster Incl. X74143:H.sapiens HBF-2 mRNA for transcription factor /c
	32000_g_at	Cluster Incl. AI344681:qp09h03.x1 Homo sapiens cDNA, 3 end /clone=IM
	33016_at	Cluster Incl. AI052224:oz21a02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
10	34066_at	Cluster Incl. AJ012590:Homo sapiens mRNA for glucose 1-dehydrogenase /c
	34093_at	Cluster Incl. AI829701:wf09d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34161_at	Cluster Incl. U39573:Human salivary peroxidase mRNA, complete cds /cds=
	34166_at	Cluster Incl. S80071:hPROT=brain-specific L-proline transporter [human,
	34558_at	Cluster Incl. U30185:Human orphan opioid receptor mRNA, complete cds /c
15	34568_at	Cluster Incl. X82634:Homo sapiens mRNA for hair keratin acidic 3-II /cd
	34573_at	Cluster Incl. U14187:Human receptor tyrosine kinase ligand LERK-3 (EPLG
	35124_at	Cluster Incl. M62982:Human arachidonate 12-lipoxygenase mRNA, complete
	35503_at	Cluster Incl. M81590:Homo sapiens serotonin 1D receptor (5-HT1D-) mRNA,
	35505_at	Cluster Incl. AI290660:qm12b10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
20	35590_s_at	Cluster Incl. X81832:H.sapiens mRNA for glucose-dependant insulinotro
	36338_at	Cluster Incl. W28504:48e7 Homo sapiens cDNA /gb=W28504 /gi=1308515 /ug=
	32269_at	Cluster Incl. W26805:13a12 Homo sapiens cDNA /gb=W26805 /gi=1305889 /ug
	32897_at	Cluster Incl. AJ237672:Homo sapiens mRNA for methylenetetrahydrofolate
	33967_at	Cluster Incl. M31525:Human MHC class II lymphocyte antigen (HLA-DNA) ge
25	35378_at	Cluster Incl. AI051683:oy77h08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	36307_at	Cluster Incl. D87468:Human mRNA for KIAA0278 gene, partial cds /cds=(0,
	36737_at	Cluster Incl. U59057:Human beta-A4 crystallin (CRYBA4) mRNA, complete c
	38229_at	Cluster Incl. X90579:H.sapiens DNA for cyp related pseudogene /cds=UNKN
	38530_at	Cluster Incl. W26021:18c10 Homo sapiens cDNA /gb=W26021 /gi=1306306 /ug
30	38901_at	Cluster Incl. AB020698:Homo sapiens mRNA for KIAA0891 protein, partial
	39225_at	Cluster Incl. Y09443:H.sapiens mRNA for alkyl-dihydroxyacetonephosphate
	39290_f_at	Cluster Incl. W28257:44c1 Homo sapiens cDNA /gb=W28257 /gi=1308205 /u
	40295_at	Cluster Incl. AB009288:Homo sapiens mRNA for N-copine, complete cds /cd
	41445_at	Cluster Incl. X02812:Human mRNA for transforming growth factor-beta (TG
35	31861_at	Cluster Incl. L14754:Human DNA-binding protein (SMBP2) mRNA, complete c
	32699_s_at	Cluster Incl. X64116:H.sapiens PVR gene for poliovirus receptor (exon
	35150_at	Cluster Incl. X60592:Human CDw40 mRNA for nerve growth factor receptor-
	35996_at	Cluster Incl. X98261:H.sapiens mRNA for M-phase phosphoprotein, mpp5 /c
	37195_at	Cluster Incl. M14565:Human cholesterol side-chain cleavage enzyme P450s

	37939_at	Cluster Incl. AL022318:bK150C2.3 (PUTATIVE novel protein similar to APO
	38707_r_at	Cluster Incl. S75174:E2F-4=transcription factor [human, Nalm6 and HeL
	39011_at	Cluster Incl. X99906:Homo sapiens mRNA for alpha endosulfine /cds=(125,
	39689_at	Cluster Incl. AI362017:qy39a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
5	41125_r_at	Cluster Incl. D45421:Human mRNA for phosphodiesterase I alpha, comple
	33416_at	Cluster Incl. AI332820:qp96e06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34803_at	Cluster Incl. AF022789:Homo sapiens ubiquitin hydrolyzing enzyme I (UBH
	35782_at	Cluster Incl. AB014557:Homo sapiens mRNA for KIAA0657 protein, partial
	38088_r_at	Cluster Incl. M80563:Human CAPL protein mRNA, complete cds /cds=(135,
10	38447_at	Cluster Incl. U08438:Human beta-adrenergic receptor kinase (ADRBK1) gen
	39473_r_at	Cluster Incl. W29065:56g2 Homo sapiens cDNA /gb=W29065 /gi=1309094 /u
	39868_at	Cluster Incl. AL046394:DKFZp434M217_r1 Homo sapiens cDNA, 5 end /clone
	39917_at	Cluster Incl. AI961040:wq58f01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40241_at	Cluster Incl. U09850:Human zinc finger protein (ZNF143) mRNA, complete
15	40622_r_at	Cluster Incl. AL096740:Homo sapiens mRNA; cDNA DKFZp586K2123 (from cl
	40886_at	Cluster Incl. L41498:Homo sapiens longation factor 1-alpha 1 (PTI-1) mR
	40975_s_at	Cluster Incl. AL050258:Novel human mRNA similar to mouse tuftelin-int
	41301_at	Cluster Incl. W28608:49b1 Homo sapiens cDNA /gb=W28608 /gi=1308556 /ug=
	41324_g_at	Cluster Incl. U90917:Human clone 23641 mRNA sequence /cds=UNKNOWN /gb
20	41340_at	Cluster Incl. AA827795:od08a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	41500_at	Cluster Incl. AI761818:wi62g02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41525_at	Cluster Incl. N25429:yx76b02.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	32557_at	Cluster Incl. AI762438:wg57a07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	33110_at	Cluster Incl. AI356682:qy22a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
25	33151_s_at	Cluster Incl. W25932:15b1 Homo sapiens cDNA /gb=W25932 /gi=1306055 /u
	33211_at	Cluster Incl. AW051889:wz04f05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	2005_s_at	U31317 /FEATURE= /DEFINITION=HSU31317 Human JAK family tyrosine protei
	2013_at	U35117 /FEATURE= /DEFINITION=HSU35117 Human transcription factor Dp-2 mR
30	1925_at	Z36714 /FEATURE=mRNA /DEFINITION=HSCYCLF H.sapiens mRNA for cyclin F
	1894_f_at	Neurofibromatosis 2 Tumor Suppressor
	1827_s_at	M13929 /FEATURE=mRNA /DEFINITION=HUMMYCPOA Human c-myc-P64 mRNA, initi
	1792_g_at	M68520 /FEATURE= /DEFINITION=HUMCDC2A Human cdc2-related protein
35	kinas	
	1627_at	Tyrosine Kinase
	1483_at	L34059 /FEATURE= /DEFINITION=HUMCA4A Homo sapiens cadherin-4 mRNA, compl
	1469_at	U12779 /FEATURE= /DEFINITION=HSU12779 Human MAP kinase activated protein
	1415_at	D26561 /FEATURE=cds#3 /DEFINITION=D26561 Homo sapiens cellular DNA conta

- 1254_at L36861 /FEATURE=expanded_cds /DEFINITION=HUMGCAPB Homo sapiens guanylate
 1167_s_at D86331 /FEATURE= /DEFINITION=D86331 Human MT2-MMP gene for matrix
 meta
 1008_f_at U50648 /FEATURE=mRNA /DEFINITION=HSIIPKR17 Human interferon-
5 inducible
 882_at M37435 /FEATURE= /DEFINITION=HUMCSDF1 Human macrophage-specific colony-st
 734_at Mucin 4, Tracheobronchial
 534_s_at U20391 /FEATURE=mRNA#1 /DEFINITION=HSU20391 Human folate receptor
 (FOLR
10 385_at X71874 /FEATURE=cds#2 /DEFINITION=HSPROSCHY H.sapiens genes for proteasom
 396_f_atX97671 /FEATURE=cds /DEFINITION=HSERYTHR H.sapiens mRNA for erythropeic

METAGENE 308 :

- 15** 35112_at Cluster Incl. AF071476:Homo sapiens regulator of G-protein signaling 9L
 35627_at Cluster Incl. U40571:Human alpha1-syntrophin (SNT A1) mRNA, complete cd
 1788_s_at U48807 /FEATURE= /DEFINITION=HSU48807 Human MAP kinase
 phosphatase (MK

20 METAGENE 309 :

- 32091_at Cluster Incl. AB007915:Homo sapiens mRNA for KIAA0446 protein, complete
 32144_at Cluster Incl. AL050135:Homo sapiens mRNA; cDNA DKFZp586K091 (from
 clone
25 33234_at Cluster Incl. AA887480:oj54a12.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 34189_at Cluster Incl. D31891:Human mRNA for KIAA0067 gene, complete cds /cds=(8
 34264_at Cluster Incl. AB026894:Homo sapiens mRNA for NESCA, complete cds /cds=(
 34746_at Cluster Incl. W28085:41g9 Homo sapiens cDNA /gb=W28085 /gi=1308033 /ug=
 35159_at Cluster Incl. U61232:Human tubulin-folding cofactor E mRNA, complete cd
30 35244_at Cluster Incl. AB007929:Homo sapiens mRNA for KIAA0460 protein, partial
 35677_at Cluster Incl. AL035369:H.sapiens novel gene from PAC 117P20, chromosome
 36561_at Cluster Incl. X73424:Homo sapiens gene for propionyl-CoA carboxylase a
 39053_at Cluster Incl. AF016370:Homo sapiens U4/U6 small nuclear ribonucleoprote
 39392_at Cluster Incl. AJ002190:Homo sapiens cDNA for dihydroxyacetone phosphate
35 39445_at Cluster Incl. AF038661:Homo sapiens chromosome 1q21-1q23 beta-1,4-galac
 39735_at Cluster Incl. AF069987:Homo sapiens nitrilase 1 (NIT1) mRNA, complete c
 39800_s_at Cluster Incl. U68566:Human HS1 binding protein HAX-1 mRNA, nuclear ge
 40099_at Cluster Incl. AB014551:Homo sapiens mRNA for KIAA0651 protein, complete
 40425_at Cluster Incl. M57730:Human B61 mRNA, complete cds /cds=(73,690) /gb=M57

- 40774_at Cluster Incl. X74801:H.sapiens Cctg mRNA for chaperonin /cds=(0,1634) /
- 32262_at Cluster Incl. AL049669:Human gene from PAC 612B18, chromosome 1 /cds=(2
- 33873_at Cluster Incl. D43642:Human YL-1 mRNA for YL-1 protein (nuclear protein
- 33885_at Cluster Incl. AB020714:Homo sapiens mRNA for KIAA0907 protein, complete
- 5 33909_at Cluster Incl. L35013:Human spliceosomal protein (SAP 49) gene, complete
- 35779_at Cluster Incl. AJ133421:Homo sapiens mRNA for leucocyte vacuolar protein
- 38779_r_at Cluster Incl. D16431:Human mRNA for hepatoma-derived growth factor, c
- 39126_at Cluster Incl. AL080101:Homo sapiens mRNA; cDNA DKFZp564L0472 (from
clon
- 10 39149_at Cluster Incl. X99720:H.sapiens TPRC gene /cds=(212,1687) /gb=X99720 /gi
- 40946_at Cluster Incl. AI023044:ow65c01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41329_at Cluster Incl. AI458463:tj99b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32546_at Cluster Incl. U59309:Human fumarase precursor (FH) mRNA, nuclear gene e
- 15 METAGENE 310 :
- 31996_at Cluster Incl. AI798834:we93c04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35109_at Cluster Incl. AB018299:Homo sapiens mRNA for KIAA0756 protein, partial
- 35545_at Cluster Incl. AB018282:Homo sapiens mRNA for KIAA0739 protein, partial
- 20 33520_at Cluster Incl. M13232:Human factor VII serine protease precursor mRNA, c
- 36261_at Cluster Incl. AC003003:Human Chromosome 16 BAC clone CIT987SK-254P9 /cd
- 39648_at Cluster Incl. AB015594:Homo sapiens mRNA for Pex1 lp, complete cds /cds=
- 39934_at Cluster Incl. AB023061:Homo sapiens mRNA for small GTP-binding protein
- 39991_at Cluster Incl. L20815:Human S protein mRNA, complete cds /cds=(62,1522)
- 25 39995_s_at Cluster Incl. U13395:Human oxidoreductase (HHCMA56) mRNA, complete cd
- 34198_at Cluster Incl. U12128:Human protein tyrosine phosphatase 1E (PTP1E) mRNA
- 37930_at Cluster Incl. U11700:Human copper transporting ATPase mRNA, complete cd
- METAGENE 311 :
- 30
- 35454_at Cluster Incl. AB007919:Homo sapiens mRNA for KIAA0450 protein, complete
- 32728_at Cluster Incl. X81438:H.sapiens mRNA for amphiphysin /cds=(74,2161) /gb=
- 32565_at Cluster Incl. U66619:Human SWI/SNF complex 60 KDa subunit (BAF60c) mRNA
- 456_at U66619 /FEATURE= /DEFINITION=HSU66619 Human SWI/SNF complex 60 KDa
- 35 subuni
- METAGENE 312 :
- 33468_at Cluster Incl. Z26317:H.sapiens mRNA for desmoglein 2 /cds=(11,3364) /gb

- 41062_at Cluster Incl. AA037278:zc52c04.r1 Homo sapiens cDNA, 5' end /clone=IMAG
- 34709_r_at Cluster Incl. Z75331:H.sapiens mRNA for nuclear protein SA-2 /cds=(64
- 38656_s_at Cluster Incl. W27939:39g3 Homo sapiens cDNA /gb=W27939 /gi=1307887 /u
- 39724_s_at Cluster Incl. U58087:Human Hs-cul-1 mRNA, complete cds /cds=(124,2382
- 5** 41234_at Cluster Incl. AI540318:tq34f03.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 32830_g_at Cluster Incl. X97544:H.sapiens mRNA for TIM17 preprotein translocase
- 34341_at Cluster Incl. U00238:Homo sapiens glutamine PRPP amidotransferase (GPAT
- 36111_s_at Cluster Incl. X75755:H.sapiens PR264 gene /cds=(98,763) /gb=X75755 /g
- 36189_at Cluster Incl. U10323:Human nuclear factor NF45 mRNA, complete cds /cds=
- 10** 37674_at Cluster Incl. Y00451:Human mRNA for 5-aminolevulinate synthase /cds=(83
- 37757_at Cluster Incl. L23959:Homo sapiens E2F-related transcription factor (DP-
- 38031_at Cluster Incl. D21853:Human mRNA for KIAA0111 gene, complete cds /cds=(2
- 40587_s_at Cluster Incl. AF054186:Homo sapiens p18 protein mRNA, complete cds /c
- 40964_at Cluster Incl. Z46376:H.sapiens HK2 mRNA for hexokinase II /cds=(1490,42
- 15** 41275_at Cluster Incl. U31556:Human transcription factor E2F-5 mRNA, complete cd
- 41530_at Cluster Incl. D16294:Human mRNA for mitochondrial 3-oxoacyl-CoA thiolas
- 2012_s_at U34994 /FEATURE= /DEFINITION=HSU34994 Homo sapiens DNA dependent
- prote
- 1928_s_at U78733 /FEATURE=mRNA#1 /DEFINITION=HSSMAD2S8 Homo sapiens mad
- 20** protein
- 1565_s_at M96995 /FEATURE= /DEFINITION=HUMEGFGRBA Homo sapiens epidermal
- growth
- 1505_at D00596 /FEATURE=cds /DEFINITION=HUMTS1 Homo sapiens gene for thymidylate
- 1031_at U09564 /FEATURE= /DEFINITION=HSU09564 Human serine kinase mRNA, complete
- 25** 1011_s_at U54778 /FEATURE= /DEFINITION=HSU54778 Human 14-3-3 epsilon mRNA,
- compl
- 968_i_at X98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for ubiquitin
- 673_at J04031 /FEATURE= /DEFINITION=HUMMDMCSF Human methylenetetrahydrofolate de
- 633_s_at L40386 /FEATURE=mRNA /DEFINITION=HUMDP2M Human DP-2 mRNA,
- 30** complete cds
- 452_at U66615 /FEATURE= /DEFINITION=HSU66615 Human SWI/SNF complex 155 KDa
- subun
- 276_at L08069 /FEATURE= /DEFINITION=HUMDNAJHOM Human heat shock protein, E. coli
- 35** METAGENE 313 :
- 36809_at Cluster Incl. L01664:Human eosinophil Charcot-Leyden crystal (CLC) prot
- 37884_f_at Cluster Incl. AI375033:ta66e10.x1 Homo sapiens cDNA, 3' end /clone=IM
- 40419_at Cluster Incl. X85116:H.sapiens epb72 gene exon 1 /cds=(61,927) /gb=X851

37754_at Cluster Incl. L13210:Human Mac-2 binding protein mRNA, complete cds /cd

METAGENE 314 :

- 5** 31697_s_at Cluster Incl. J04755:Human ferritin H processed pseudogene, complete
 34544_at Cluster Incl. X78925:H.sapiens HZF2 mRNA for zinc finger protein /cds=(
 38220_at Cluster Incl. U20938:Human lymphocyte dihydropyrimidine dehydrogenase m
 41474_at Cluster Incl. Y08319:H.sapiens mRNA for kinesin-2 /cds=(18,2057) /gb=Y0
 41635_at Cluster Incl. D14661:Human mRNA for KIAA0105 gene, complete cds /cds=(1
- 10** 41855_at Cluster Incl. AF030424:Homo sapiens histone acetyltransferase 1 mRNA, c
 31850_at Cluster Incl. M90656:Human gamma-glutamylcysteine synthetase (GCS) mRNA
 31853_at Cluster Incl. AF080227:Homo sapiens embryonic ectoderm development prot
 32060_at Cluster Incl. U15173:Homo sapiens BCL2/adenovirus E1B 19kD-interacting
 32067_at Cluster Incl. S68271:CREM=cyclic AMP-responsive element modulator [huma
- 15** 32621_at Cluster Incl. M97388:Human TATA binding protein-associated phosphoprote
 33253_at Cluster Incl. D50919:Human mRNA for KIAA0129 gene, complete cds /cds=(1
 33305_at Cluster Incl. M93056:Human monocyte/neutrophil elastase inhibitor mRNA
 34749_at Cluster Incl. U83461:Human putative copper uptake protein (hCTR2) mRNA,
 37910_at Cluster Incl. U52112:host cell factor 1 /cds=(344,6451) /gb=U52112 /gi=
- 20** 38999_s_at Cluster Incl. M86707:Homo sapiens myristoyl CoA-protein N-myristoyltr
 40852_at Cluster Incl. AB025254:Homo sapiens mRNA for tudor repeat associator wi
 32232_at Cluster Incl. AF047181:Homo sapiens NADH-ubiquinone oxidoreductase subu
 34857_at Cluster Incl. Z24724:H.sapiens polyA site DNA /cds=UNKNOWN /gb=Z24724 /
 35777_at Cluster Incl. AB000468:Homo sapiens mRNA for zinc finger protein, compl
- 25** 36672_at Cluster Incl. L13977:Human prolylcarboxypeptidase mRNA, complete cds /c
 36971_at Cluster Incl. D87446:Human mRNA for KIAA0257 gene, partial cds /cds=(0,
 37025_at Cluster Incl. AL120815:DKFZp762F172_r1 Homo sapiens cDNA, 5' end /clone
 37742_at Cluster Incl. M34423:Human beta-galactosidase (GLB1) mRNA, complete cds
 38481_at Cluster Incl. M63488:Human replication protein A 70kDa subunit mRNA com
- 30** 38745_at Cluster Incl. X76488:H.sapiens mRNA for lysosomal acid lipase /cds=(145
 40258_at Cluster Incl. M55265:Human casein kinase II alpha subunit mRNA, complet
 40931_at Cluster Incl. AL080084:Homo sapiens mRNA; cDNA DKFZp564G2362 (from
 clon
- 41295_at Cluster Incl. AL041780:DKFZp434A0418_s1 Homo sapiens cDNA, 3' end /clon
- 35** 1868_g_at AF005775 /FEATURE= /DEFINITION=AF005775 Homo sapiens caspase-like
 apopt
 1715_at U37518 /FEATURE= /DEFINITION=HSU37518 Human TNF-related apoptosis induci
 1557_at U24152 /FEATURE= /DEFINITION=HSU24152 Human p21-activated protein kinase

	1558_g_at	U24152 /FEATURE= /DEFINITION=HSU24152 Human p21-activated protein kina
	1378_g_at	M58603 /FEATURE= /DEFINITION=HUMNFKB Human nuclear factor kappa-B DNA
5	831_at	U28042 /FEATURE= /DEFINITION=HSU28042 Human DEAD box RNA helicase-like pr
METAGENE 315 :		
	31477_at	Cluster Incl. L08044:Human intestinal trefoil factor mRNA, complete cds
10	36374_at	Cluster Incl. U79293:Human clone 23948 mRNA sequence /cds=UNKNOWN /gb=U
	38960_at	Cluster Incl. U45975:Human phosphatidylinositol (4,5)bispophosphate 5-pho
	39669_at	Cluster Incl. AJ009985:Homo sapiens mRNA for annexin 31 /cds=(436,1452)
	41660_at	Cluster Incl. AL031588:dJ1163J1.1 (ortholog of mouse transmembrane rece
15	31805_at	Cluster Incl. M64347:Human novel growth factor receptor mRNA, 3 cds /cd
	32108_at	Cluster Incl. M76231:Human sepiapterin reductase mRNA, complete cds /cd
	35164_at	Cluster Incl. AF084481:Homo sapiens transmembrane protein (WFS1) mRNA,
	35676_at	Cluster Incl. AF006386:Homo sapiens axonemal dynein light chain (hp28)
	36454_at	Cluster Incl. AF037335:Homo sapiens carbonic anhydrase precursor (CA 12
20	36495_at	Cluster Incl. U21931:Human fructose-1,6-biphosphatase (FBP1) gene /cds=
	39755_at	Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromosome
	39756_g_at	Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromoso
	40148_at	Cluster Incl. U62325:Human FE65-like protein (hFE65L) mRNA, partial cds
	40422_at	Cluster Incl. X16302:Human mRNA for insulin-like growth factor binding
25	40511_at	Cluster Incl. X58072:Human hGATA3 mRNA for trans-acting T-cell specific
	32251_at	Cluster Incl. AA149307:zl25h05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	34775_at	Cluster Incl. AF065388:Homo sapiens tetraspan NET-1 mRNA, complete cds
	34788_at	Cluster Incl. AL049365:Homo sapiens mRNA; cDNA DKFZp586A0618 (from clon
30	34859_at	Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE) /
	34860_g_at	Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE)
	35275_at	Cluster Incl. AL050025:Homo sapiens mRNA; cDNA DKFZp564D066 (from clone
	35766_at	Cluster Incl. M26326:Human keratin 18 mRNA, complete cds /cds=(51,1343)
35	35770_at	Cluster Incl. D16469:Human mRNA for ORF, Xq terminal portion /cds=(1353
	37008_r_at	Cluster Incl. M68516:Human protein C inhibitor gene, complete cds /cd
	40902_at	Cluster Incl. AL050082:Homo sapiens mRNA; cDNA DKFZp566J2446 (from clon
	1822_at	Oncogene Ret/Ptc2, Fusion Activated
	1823_g_at	Oncogene Ret/Ptc2, Fusion Activated

1745_at Oncogene Ret/Ptc, Fusion Activated

1741_s_at S37730 /FEATURE=cds /DEFINITION=S37712S4 insulin-like growth factor bi

520_at U07358 /FEATURE= /DEFINITION=HSU07358 Human protein kinase (zpk) mRNA, co

5 METAGENE 316:

36289_f_at Cluster Incl. U27333:Human alpha (1,3) fucosyltransferase (FUT6) mRNA

33332_at Cluster Incl. Z93241:dJ222E13.1a.1 (C-terminal part of novel protein dJ

34674_at Cluster Incl. X58079:Human mRNA for S100 alpha protein /cds=(113,397) /

10

METAGENE 317:

36812_at Cluster Incl. U92715:Homo sapiens breast cancer antiestrogen resistance

37986_at Cluster Incl. M60459:Human erythropoietin receptor mRNA, complete cds /

15 40064_at Cluster Incl. AB011121:Homo sapiens mRNA for KIAA0549 protein, partial

32798_at Cluster Incl. AF043105:Homo sapiens glutathione S-transferase mu 3 (GST

1120_at J05459 /FEATURE=mRNA /DEFINITION=HUMGSTM3A Human glutathione transferase

1121_g_at J05459 /FEATURE=mRNA /DEFINITION=HUMGSTM3A Human glutathione transferase

20

METAGENE 318:

40798_s_at Cluster Incl. Z48579:H.sapiens mRNA for disintegrin-metalloprotease (

33385_g_at Cluster Incl. U31346:Human calpastatin mRNA, partial cds, long 3UTR /

25 33411_g_at Cluster Incl. S66213:integrin alpha 6B [human, mRNA Partial, 528 nt]

41244_f_at Cluster Incl. X80910:H.sapiens PPP1CB mRNA /cds=(258,1241) /gb=X80910

1920_s_at X77794 /FEATURE=cds /DEFINITION=HSCYCG1 H.sapiens mRNA for cyclin G1

1321_s_at U43916 /FEATURE= /DEFINITION=HSU43916 Human tumor-associated

30 membrane

696_at Homeotic Protein Hox5.4

340_at AJ001047 /FEATURE=cds /DEFINITION=HSMATRIL3 Homo sapiens mRNA for matrilin

METAGENE 319:

35

36000_at Cluster Incl. X98054:H.sapiens mRNA for G13 protein /cds=(33,2144) /gb=

36822_at Cluster Incl. U51334:Human putative RNA binding protein (RBP56) mRNA, c

38295_at Cluster Incl. X59842:Human PBX2 mRNA /cds=UNKNOWN /gb=X59842

/gi=35312

40137_at Cluster Incl. M31724:Human phosphotyrosyl-protein phosphatase (PTP-1B)
 34836_at Cluster Incl. U18420:Human ras-related small GTP binding protein Rab5 (

METAGENE 320 :

5

33576_at Cluster Incl. AB020725:Homo sapiens mRNA for KIAA0918 protein, partial
 37832_at Cluster Incl. AL080062:Homo sapiens mRNA; cDNA DKFZp564I122 (from clone
 40035_at Cluster Incl. AB012917:Homo sapiens mRNA for serine protease (TLSP), co
 31843_at Cluster Incl. AB020639:Homo sapiens mRNA for KIAA0832 protein, complete
 10 36074_at Cluster Incl. U12897:Homo sapiens IPW mRNA sequence /cds=UNKNOWN
 /gb=U1
 39701_at Cluster Incl. AB006625:Homo sapiens mRNA for KIAA0287 gene, partial cds
 41749_at Cluster Incl. U53003:Human GT335 mRNA, complete cds /cds=(84,890) /gb=U
 34812_at Cluster Incl. W26099:22f11 Homo sapiens cDNA /gb=W26099 /gi=1306645 /ug
 15 36596_r_at Cluster Incl. S68805:L-arginine-glycine amidinotransferase [human, ki
 37698_at Cluster Incl. X97335:H.sapiens mRNA for kinase A anchor protein /cds=(1
 38768_at Cluster Incl. X96752:H.sapiens mRNA for L-3-hydroxyacyl-CoA dehydrogena
 38816_at Cluster Incl. AF095791:Homo sapiens TACC2 protein (TACC2) mRNA, partial
 1637_at U09578 /FEATURE= /DEFINITION=HSU09578 Homo sapiens MAPKAP kinase (3pK) m
 20 1211_s_at U84388 /FEATURE= /DEFINITION=HSU84388 Human death domain containing
 pr

METAGENE 321 :

25 31531_g_at Cluster Incl. U89344:Human acetyl-CoA carboxylase (ACC2) mRNA, comple
 33555_at Cluster Incl. AF041261:Homo sapiens immunoglobulin-like transcript 7 mR
 38521_at Cluster Incl. X59350:H.sapiens mRNA for B cell membrane protein CD22 /c
 40044_at Cluster Incl. U16282:Human ELL mRNA, complete cds /cds=(12,1877) /gb=U1
 33223_at Cluster Incl. AB011133:Homo sapiens mRNA for KIAA0561 protein, partial
 30 38063_at Cluster Incl. U00952:Human clone A9A2BRB7 (CAC)n/(GTG)n repeat-containi
 41539_at Cluster Incl. U77782:Human N-methyl-D-aspartate receptor 2C subunit pre
 810_at U64105 /FEATURE= /DEFINITION=HSU64105 Human guanine nucleotide exchange f

METAGENE 322 :

35

36766_at Cluster Incl. X55988:Human EDN mRNA for eosinophil derived neurotoxin /
 35188_at Cluster Incl. AB018336:Homo sapiens mRNA for KIAA0793 protein, complete
 40447_at Cluster Incl. D87436:Human mRNA for KIAA0249 gene, complete cds /cds=(2
 38730_at Cluster Incl. AB020671:Homo sapiens mRNA for KIAA0864 protein, partial

METAGENE 323 :

	34957_at	Cluster Incl. Y18504:Homo sapiens X5L gene /cds=(112,1089) /gb=Y18504 /
5	36781_at	Cluster Incl. X01683:Human mRNA for alpha 1-antitrypsin /cds=(38,1294)
	36790_at	Cluster Incl. M19267:Human tropomyosin mRNA, complete cds /cds=(286,114
	36791_g_at	Cluster Incl. M19267:Human tropomyosin mRNA, complete cds /cds=(286,1
	39303_at	Cluster Incl. Y14153:Homo sapiens mRNA for beta-transducin repeat conta
	40654_at	Cluster Incl. U88871:Human HsPex7p (HsPEX7) mRNA, complete cds /cds=(81
10	33811_at	Cluster Incl. AI761567:wg66a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	36013_at	Cluster Incl. AF006621:Homo sapiens embryonic lung protein (HUEL) mRNA,
	36506_at	Cluster Incl. AJ131693:Homo sapiens mRNA for AKAP450 protein /cds=(222,
	36508_at	Cluster Incl. AF030186:Homo sapiens glypican-4 (GPC4) mRNA, complete cd
	37532_at	Cluster Incl. M91432:Human medium-chain acyl-CoA dehydrogenase (MCAD) g
15	38643_at	Cluster Incl. W87466:zh67c05.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	38649_at	Cluster Incl. AB023187:Homo sapiens mRNA for KIAA0970 protein, complete
	39071_at	Cluster Incl. M14648:Human cell adhesion protein (vitronectin) receptor
	39405_at	Cluster Incl. D87455:Human mRNA for KIAA0266 gene, complete cds /cds=(7
	40077_at	Cluster Incl. Z11559:H.sapiens mRNA for iron regulatory factor /cds=(10
20	40437_at	Cluster Incl. AL049944:Homo sapiens mRNA; cDNA DKFZp564G2022 (from
	clon	
	40504_at	Cluster Incl. AF001601:Homo sapiens paraoxonase (PON2) mRNA, complete c
	40854_at	Cluster Incl. J04973:Human cytochrome bc-1 complex core protein II mRNA
	32838_at	Cluster Incl. S67247:smooth muscle myosin heavy chain isoform SMemb [hu
25	33340_at	Cluster Incl. AB007898:Homo sapiens KIAA0438 mRNA, complete cds /cds=(1
	33431_at	Cluster Incl. U05291:Human fibromodulin mRNA, partial cds /cds=(0,177)
	33924_at	Cluster Incl. AB029014:Homo sapiens mRNA for KIAA1091 protein, partial
	33936_at	Cluster Incl. D86181:Homo sapiens DNA for galactocerebrosidase /cds=(14
	34821_at	Cluster Incl. AL050197:Homo sapiens mRNA; cDNA DKFZp586D0623 (from
30	clon	
	35783_at	Cluster Incl. H93123:yv05g07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	37045_at	Cluster Incl. D87443:Human mRNA for KIAA0254 gene, complete cds /cds=(5
	37366_at	Cluster Incl. AL049969:Homo sapiens mRNA; cDNA DKFZp564A072 (from
	clone	
35	37393_at	Cluster Incl. L19314:Human HRY gene, complete cds /cds=(0,842) /gb=L193
	37669_s_at	Cluster Incl. U16799:Human Na,K-ATPase beta-1 subunit mRNA, complete
	38013_at	Cluster Incl. AL096842:Homo sapiens mRNA; cDNA DKFZp586D1519 (from
	clon	

- 38033_at Cluster Incl. AL049934:Homo sapiens mRNA; cDNA DKFZp564M1416 (from
clon
- 38075_at Cluster Incl. X68194:H.sapiens h-Sp1 mRNA /cds=(33,812) /gb=X68194 /gi=
- 38079_at Cluster Incl. AL049367:Homo sapiens mRNA; cDNA DKFZp586B0918 (from
5 clon
- 38411_at Cluster Incl. U90916:Human clone 23815 mRNA sequence /cds=UNKNOWN
/gb=U
- 39809_at Cluster Incl. AF019214:Homo sapiens HMG box containing protein 1 mRNA,
- 40281_at Cluster Incl. D63878:Human mRNA for KIAA0158 gene, complete cds /cds=(2
- 10 40961_at Cluster Incl. X72889:H.sapiens hbrm mRNA /cds=(222,4982) /gb=X72889 /gi
- 32531_at Cluster Incl. X52947:Human mRNA for cardiac gap junction protein /cds=(
- 33126_at Cluster Incl. L13435:Human chromosome 3p21.1 gene sequence
/cds=UNKNOWN
- 1377_at M58603 /FEATURE= /DEFINITION=HUMNFKB Human nuclear factor kappa-B DNA bi
- 15 393_s_at X90976 /FEATURE= /DEFINITION=HSRNAML11 H.sapiens mRNA for an
acute myel

METAGENE 324 :

- 20 35980_at Cluster Incl. AB011153:Homo sapiens mRNA for KIAA0581 protein, partial
- 38634_at Cluster Incl. M11433:Human cellular retinol-binding protein mRNA, compl
- 39331_at Cluster Incl. X79535:H.sapiens mRNA for beta tubulin, clone nuk_278 /cd
- 33856_at Cluster Incl. Y13374:Homo sapiens mRNA for putatively prenylated protei
- 32530_at Cluster Incl. X56468:Human mRNA for 14.3.3 protein, a protein kinase re
- 25 471_f_atU47634 /FEATURE= /DEFINITION=HSU47634 Human beta-tubulin class III isot
- 429_f_atX00734 /FEATURE=cds /DEFINITION=HSREP10 Human beta-tubulin gene (5-beta
- 296_at Tubulin, Beta
- 297_g_at Tubulin, Beta
- 266_s_at L33930 /FEATURE= /DEFINITION=HUMCD24B Homo sapiens CD24 signal
- 30 transduc

METAGENE 325 :

- 39751_at Cluster Incl. AF052182:Homo sapiens clone 24590 mRNA sequence /cds=UNKN
- 35 1567_at S77812 /FEATURE= /DEFINITION=S77812 flt=vascular endothelial growth fact
- 991_g_at X51602 /FEATURE=cds /DEFINITION=HSFLT Human flt mRNA for receptor-
relat

METAGENE 326 :

	34031_i_at	Cluster Incl. U90268:Human Krit1 mRNA, complete cds /cds=(25,1614) /g
	37869_at	Cluster Incl. AB029004:Homo sapiens mRNA for KIAA1081 protein, partial
	38208_at	Cluster Incl. AB021981:Homo sapiens mRNA for UDP-N-acetylglucosamine tr
5	38224_at	Cluster Incl. U71300:Human snRNA activating protein complex 50kD subuni
	41429_at	Cluster Incl. M65254:Protein phosphatase 2A 65 kDa regulatory subunit-b
	41713_at	Cluster Incl. U09848:Human zinc finger protein (ZNF139) mRNA, partial c
	31872_at	Cluster Incl. X79201:H.sapiens mRNA for SYT /cds=(3,1178) /gb=X79201 /g
	34195_at	Cluster Incl. AL121073:DKFZp762B235_r1 Homo sapiens cDNA, 5 end /clone
10	39376_at	Cluster Incl. AB014530:Homo sapiens mRNA for KIAA0630 protein, partial
	40101_g_at	Cluster Incl. U72206:Human guanine nucleotide regulatory factor (LFP4
	40495_at	Cluster Incl. AA306076:EST177079 Homo sapiens cDNA, 5 end /clone=ATCC-
	34890_at	Cluster Incl. L09235:Human vacuolar ATPase (isoform VA68) mRNA, complet
	36632_at	Cluster Incl. U00957:Human clone KDB1.2 (CAC)n/(GTG)n repeat-containing
15	36962_at	Cluster Incl. U24105:Homo sapiens coatomer protein (COPA) mRNA, complet
	36982_at	Cluster Incl. U30888:Human tRNA-guanine transglycosylase mRNA, complete
	37758_s_at	Cluster Incl. W28479:47d8 Homo sapiens cDNA /gb=W28479 /gi=1308427 /u
	39560_at	Cluster Incl. H10776:ym07h11.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	40545_at	Cluster Incl. AB018566:Homo sapiens gene for Proline synthetase associa
20	1668_s_at	L15409 /FEATURE= /DEFINITION=HUMHIPLIND Homo sapiens (clone g7)
	von Hi	

METAGENE 327 :

25	34563_at	Cluster Incl. D26361:Human mRNA for KIAA0042 gene, complete cds /cds=(4
	32324_at	Cluster Incl. X57346:H.sapiens mRNA for HS1 protein /cds=(372,1112) /gb
	38158_at	Cluster Incl. D79987:Human mRNA for KIAA0165 gene, complete cds /cds=(1
	38933_at	Cluster Incl. AL021366:cICK0721Q.3 (Kinesin related protein) /cds=(163,
	39677_at	Cluster Incl. D80008:Human mRNA for KIAA0186 gene, complete cds /cds=(9
30	40041_at	Cluster Incl. AF017790:Homo sapiens retinoblastoma-associated protein H
	40347_at	Cluster Incl. AA913812:ol39a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	40348_s_at	Cluster Incl. W25866:14c12 Homo sapiens cDNA /gb=W25866 /gi=1305989 /
	40690_at	Cluster Incl. X54942:H.sapiens ckshs2 mRNA for Cks1 protein homologue /
	40726_at	Cluster Incl. U37426:Human kinesin-like spindle protein HKSP (HKSP) mRN
35	41403_at	Cluster Incl. AI032612:ow17e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41415_at	Cluster Incl. L36720:Homo sapiens bystin mRNA, complete cds /cds=(64,98
	41650_at	Cluster Incl. U63810:Homo sapiens WD40 protein Ciao 1 mRNA, complete cd
	32120_at	Cluster Incl. AF063308:Homo sapiens coiled-coil related protein DEEPEST
	33252_at	Cluster Incl. D38073:Human mRNA for hRlf beta subunit (p102 protein), c

- 33266_at Cluster Incl. AF015254:Homo sapiens serine/threonine kinase (STK-1) mRNA
 34715_at Cluster Incl. U74612:Human hepatocyte nuclear factor-3/fork head homolo
 34736_at Cluster Incl. M25753:Human cyclin B mRNA, 3 end /cds=UNKNOWN
 /gb=M2575
- 5 35249_at Cluster Incl. AF091433:Homo sapiens cyclin E2 mRNA, complete cds /cds=(
 35699_at Cluster Incl. AF053306:Homo sapiens mitotic checkpoint kinase Mad3L (MA
 35995_at Cluster Incl. AF067656:Homo sapiens ZW10 interactor Zwint mRNA, complet
 36813_at Cluster Incl. U96131:Homo sapiens HPV16 E1 protein binding protein mRNA
 36839_at Cluster Incl. U77949:Human Cdc6-related protein (HsCDC6) mRNA, complete
- 10 36863_at Cluster Incl. AF032862:Homo sapiens intracellular hyaluronic acid bindi
 37193_at Cluster Incl. D78335:Human mRNA for 5-terminal region of UMK, complete
 37228_at Cluster Incl. U01038:Human pLK mRNA, complete cds /cds=(63,1874) /gb=U0
 37920_at Cluster Incl. U70370:Human hindlimb expressed homeobox protein backfoot
 38675_at Cluster Incl. AI087268:oz77e01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 15 40074_at Cluster Incl. X16396:Human mRNA for NAD-dependent methylene tetrahydrof
 40117_at Cluster Incl. D84557:Homo sapiens mRNA for HsMcm6, complete cds /cds=(6
 40145_at Cluster Incl. AI375913:tc14c08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 40412_at Cluster Incl. AA203476:zx55e01.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 40417_at Cluster Incl. D43950:Human mRNA for KIAA0098 gene, partial cds /cds=(0,
- 20 32222_at Cluster Incl. AA152202:zl06a03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 32767_at Cluster Incl. M74558:Human SIL mRNA, complete cds /cds=(380,4243) /gb=M
 34829_at Cluster Incl. U59151:Human Cbf5p homolog (CBF5) mRNA, complete cds /cds
 34851_at Cluster Incl. AF011468:Homo sapiens serine/threonine kinase (BTAK) mRNA
 35312_at Cluster Incl. D21063:Human mRNA for KIAA0030 gene, partial cds /cds=(0,
- 25 35839_at Cluster Incl. D78130:Homo sapiens mRNA for squalene epoxidase, complete
 37302_at Cluster Incl. U30872:Human mitotin mRNA, complete cds /cds=(72,9413) /g
 38116_at Cluster Incl. D14657:Human mRNA for KIAA0101 gene, complete cds /cds=(6
 38456_s_at Cluster Incl. AL049650:dJ734P14.2.2 (snRNP (small nuclear ribonucleop
 38804_at Cluster Incl. AF053641:Homo sapiens brain cellular apoptosis susceptibi
- 30 39109_at Cluster Incl. AB024704:Homo sapiens mRNA for fls353, complete cds /cds=
 41583_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B
 1943_at X51688 /FEATURE=mRNA /DEFINITION=HSCYCLINA Human mRNA for cyclin A
 1945_at M25753 /FEATURE=mRNA /DEFINITION=HUMCYCB Human cyclin B mRNA, 3 end
 1809_at AB003698 /FEATURE= /DEFINITION=AB003698 Homo sapiens mRNA for Cdc7-relat
- 35 1651_at U73379 /FEATURE= /DEFINITION=HSU73379 Human cyclin-selective ubiquitin c
 1599_at L25876 /FEATURE= /DEFINITION=HUMPTPB Homo sapiens protein tyrosine phosp
 1544_at U39817 /FEATURE= /DEFINITION=HSU39817 Human Bloom s syndrome protein (BL
 1536_at U77949 /FEATURE= /DEFINITION=HSU77949 Human Cdc6-related protein (HsCDC6
 1516_g_at Rad2

- 1055_g_at M87339 /FEATURE= /DEFINITION=HUMACT1A Human replication factor C,
37-k
- 904_s_at L47276 /FEATURE=UTR#1 /DEFINITION=HUMTOPATR Homo sapiens (cell
line HL-
- 5 572_at M86699 /FEATURE= /DEFINITION=HUMTTK Human kinase (TTK) mRNA, complete
cds
- 527_at U14518 /FEATURE= /DEFINITION=HSU14518 Human centromere protein-A (CENP-A)
- 419_at X65550 /FEATURE=exon#15 /DEFINITION=HSMKI67 H.sapiens mki67a mRNA (long t
- 349_g_at D14678 /FEATURE= /DEFINITION=HUMMHCB Human mRNA for kinesin-
10 related pro
- 149_at U90426 /FEATURE= /DEFINITION=HSU90426 Human nuclear RNA helicase, complet
- 151_s_at V00599 /FEATURE=mRNA /DEFINITION=HSTUB2 Human mRNA fragment
encoding be
- 15 METAGENE 328 :
- 37472_at Cluster Incl. U60337:Homo sapiens beta-mannosidase mRNA, complete cds /
- 37874_at Cluster Incl. Z47553:H.sapiens mRNA for flavin-containing monooxygenase
- 38151_at Cluster Incl. AF002672:Homo sapiens breast cancer suppressor candidate
- 20 39597_at Cluster Incl. AB020650:Homo sapiens mRNA for KIAA0843 protein, complete
- 40038_at Cluster Incl. W02490:za48b02.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 32079_at Cluster Incl. AB014539:Homo sapiens mRNA for KIAA0639 protein, partial
- 32664_at Cluster Incl. D37931:Human mRNA for RNase 4, complete cds /cds=(27,470)
- 32685_at Cluster Incl. AB002349:Human mRNA for KIAA0351 gene, complete cds /cds=
- 25 33749_at Cluster Incl. AB007455:Homo sapiens mRNA for P53TG1-A, complete cds /cd
- 39752_at Cluster Incl. AF040704:Homo sapiens putative tumor suppressor protein (
- 35834_at Cluster Incl. X59766:H.sapiens mRNA for Zn-alpha2-glycoprotein /cds=(10
- 33140_at Cluster Incl. AF029893:Homo sapiens i-beta-1,3-N-acetylglucosaminyltran
- 1103_at M11567 /FEATURE=mRNA /DEFINITION=HUMAGG Human angiogenin gene,
30 complete
- METAGENE 329 :
- 34644_at Cluster Incl. AB021288:Homo sapiens mRNA for beta 2-microglobulin, comp
- 35 35017_f_at Cluster Incl. M80469:Human MHC class I HLA-J gene, exons 1-8 and comp
- 36804_at Cluster Incl. M34455:Human interferon-gamma-inducible indoleamine 2,3-d
- 37421_f_at Cluster Incl. AL022723:dJ377H14.9 (major histocompatibility complex,
- 37454_at Cluster Incl. AJ001634:Homo sapiens mRNA for CC-chemokine MCP-4 /cds=(4
- 38160_at Cluster Incl. AF011333:Homo sapiens DEC-205 mRNA, complete cds /cds=(53

	38241_at	Cluster Incl. U90548:Human butyrophilin (BTF3) mRNA, complete cds /cds=
	39959_at	Cluster Incl. AL031983:dJ271M21.6 (Diubiquitin) /cds=(18,515) /gb=AL031
	40008_at	Cluster Incl. U46573:Human eotaxin precursor mRNA, complete cds /cds=(5
	40369_f_at	Cluster Incl. AL022723:dJ377H14.1 (major histocompatibility complex,
5	40370_f_at	Cluster Incl. M90683:Human lymphocyte antigen (HLA-G1) mRNA, complete
	32700_at	Cluster Incl. M55543:Human guanylate binding protein isoform II (GBP-2)
	41184_s_at	Cluster Incl. X87344:H.sapiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LM
	37383_f_at	Cluster Incl. X58536:Human mRNA for HLA class I locus C heavy chain /
	998_s_at	X59770 /FEATURE=mRNA /DEFINITION=HSIL1R2II H.sapiens IL-1R2 mRNA
10	for ty	

METAGENE 330 :

	31673_s_at	Cluster Incl. X65784:H.sapiens CAR gene /cds=(0,428) /gb=X65784 /gi=4
15	35411_at	Cluster Incl. AB018551:Homo sapiens ATPBL mRNA for coiled-coil protein,
	35868_at	Cluster Incl. M91211:Human receptor for advanced glycosylation end prod
	35961_at	Cluster Incl. AL049390:Homo sapiens mRNA; cDNA DKFZp586O1318 (from
	clon	
	39288_at	Cluster Incl. AI951798:wx37f11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
20	39650_s_at	Cluster Incl. AB007895:Homo sapiens KIAA0435 mRNA, complete cds /cds=
	41396_at	Cluster Incl. AB006629:Homo sapiens mRNA for KIAA0291 gene, partial cds
	32096_at	Cluster Incl. AC005546:Homo sapiens chromosome 19, cosmid R29425 /cds=(
	34185_at	Cluster Incl. W22541:69B4 Homo sapiens cDNA /clone=(not-directional) /g
	35629_at	Cluster Incl. AL022238:dJ1042K10.3 (novel protein) /cds=(0,731) /gb=AL0
25	35653_at	Cluster Incl. U28963:Human Gps2 (GPS2) mRNA, complete cds /cds=(90,1073
	37977_at	Cluster Incl. AI138834:qe04b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	38665_at	Cluster Incl. D85939:Homo sapiens mRNA for p97 homologous protein, comp
	38718_at	Cluster Incl. AL050101:Homo sapiens mRNA; cDNA DKFZp586E1519 (from
	clon	
30	40098_at	Cluster Incl. AF001434:Human Hpast (HPAST) mRNA, complete cds /cds=(255
	41189_at	Cluster Incl. Y09392:H.sapiens mRNA for WSL-LR, WSL-S1 and WSL-S2 prote
	34874_at	Cluster Incl. AJ004832:Homo sapiens mRNA for neuropathy target esterase
	35826_at	Cluster Incl. AF040253:Homo sapiens transcription factor Tat-CT1 mRNA,
	36115_at	Cluster Incl. L29217:Homo sapiens clk3 mRNA, complete cds /cds=(56,1528
35	37384_at	Cluster Incl. D13640:Human mRNA for KIAA0015 gene, complete cds /cds=(1
	37652_at	Cluster Incl. AB002328:Human mRNA for KIAA0330 gene, partial cds /cds=(
	38122_at	Cluster Incl. D87075:Human mRNA for KIAA0238 gene, partial cds /cds=(0,
	38750_at	Cluster Incl. U97669:Homo sapiens Notch3 (NOTCH3) mRNA, complete cds /c
	39865_at	Cluster Incl. AI890903:wm91f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG

- 40221_at Cluster Incl. L39059:Homo sapiens transcription factor SL1 mRNA, comple
 41268_g_at Cluster Incl. AB028972:Homo sapiens mRNA for KIAA1049 protein, partia
 1729_at L41690 /FEATURE= /DEFINITION=HUMTRADD Homo sapiens TNF receptor-1 associ
 1373_at M31523 /FEATURE= /DEFINITION=HUMTFAA Human transcription factor (E2A) mR
5 1185_at D49410 /FEATURE=expanded_cds /DEFINITION=HUMIL3RA12 Human gene for inter

METAGENE 331 :

- 36456_at Cluster Incl. AL080063:Homo sapiens mRNA; cDNA DKFZp564I052 (from clone
10 38322_at Cluster Incl. AI093155:qa97g04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 32237_at Cluster Incl. D87454:Human mRNA for KIAA0265 gene, partial cds /cds=(0,
 38375_at Cluster Incl. AF112219:Homo sapiens esterase D mRNA, complete cds /cds=
 863_g_at U04313 /FEATURE= /DEFINITION=HSU04313 Human maspin mRNA,
 complete cds
15 291_s_at J04152 /FEATURE=mRNA /DEFINITION=HUMGA733A Human
 gastrointestinal tumor

METAGENE 332 :

- 20** 37149_s_at Cluster Incl. U95626:Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (c
 39295_s_at Cluster Incl. AF049884:Homo sapiens Arg/Abl-interacting protein ArgBP
 41087_at Cluster Incl. AC004774:Homo sapiens BAC clone RG300E22 from 7q21-q31.1
 33331_at Cluster Incl. U17077:Human BENE mRNA, partial cds /cds=(0,446) /gb=U170
 36053_at Cluster Incl. AF041248:Homo sapiens cyclin-dependent kinase inhibitor (
25 37265_at Cluster Incl. D87074:Human mRNA for KIAA0237 gene, complete cds /cds=(4
 40466_at Cluster Incl. Z74792:H.sapiens mRNA for CCAAT transcription binding fac
 40508_at Cluster Incl. AF025887:Homo sapiens glutathione S-transferase A4-4 (GST
 33392_at Cluster Incl. AL080155:Homo sapiens mRNA; cDNA DKFZp434J154 (from clone
 34365_at Cluster Incl. AF042386:Homo sapiens cyclophilin-33B (CYP-33) mRNA, comp
30 36118_at Cluster Incl. AJ000882:Homo sapiens mRNA for steroid receptor coactivat
 41806_at Cluster Incl. J04513:Human basic fibroblast growth factor (bFGF) 22.5 k
 1860_at U58334 /FEATURE= /DEFINITION=HSU58334 Human Bcl2, p53 binding protein Bb

METAGENE 333 :

35

- 37989_at Cluster Incl. J03802:Human renal carcinoma parathgrad hormone-like pept
 38484_at Cluster Incl. D21267:Homo sapiens mRNA, complete cds /cds=(205,825) /gb
 615_s_at M24351 /FEATURE=expanded_cds /DEFINITION=HUMPTHL4 Human
 parathyroid hor

METAGENE 334 :

- 32434_at Cluster Incl. D10522:Homo sapiens mRNA for 80K-L protein, complete cds
- 5 37163_at Cluster Incl. AL050374:Homo sapiens mRNA; cDNA DKFZp586C1619 (from
clon
- 41368_at Cluster Incl. AA922934:oh10g06.s1 Homo sapiens cDNA, 3' end /clone=IMAG
- 36491_at Cluster Incl. D82345:Homo sapiens mRNA for NB thymosin beta, complete c
- 39379_at Cluster Incl. AL049397:Homo sapiens mRNA; cDNA DKFZp586C1019 (from
10 clon
- 41142_at Cluster Incl. U62961:Human succinyl CoA-3-oxoacid CoA transferase precu
- 32190_at Cluster Incl. AL050118:Homo sapiens mRNA; cDNA DKFZp586C201 (from
clone
- 32855_at Cluster Incl. L00352:Human low density lipoprotein receptor gene /cds=(
- 15 41517_g_at Cluster Incl. U95735:Human SNARE protein Ykt6 (YKT6) mRNA, complete c
- 2050_s_at M29870 /FEATURE= /DEFINITION=HUMRACA Human ras-related C3
botulinum to

METAGENE 335 :

- 20 38854_at Cluster Incl. AB014535:Homo sapiens mRNA for KIAA0635 protein, complete
- 39317_at Cluster Incl. D86324:Homo sapiens mRNA for CMP-N-acetylneuraminic acid
- 35722_at Cluster Incl. AL080198:Homo sapiens mRNA; cDNA DKFZp434D222 (from
clone
- 25 36864_at Cluster Incl. AJ001625:Homo sapiens mRNA for Pex3 protein /cds=(63,1184
- 35304_at Cluster Incl. AF052130:Homo sapiens clone 23704 mRNA sequence /cds=UNKN
- 38732_at Cluster Incl. X91788:H.sapiens mRNA for Icln protein /cds=(88,801) /gb=

METAGENE 336 :

- 30 31708_at Cluster Incl. L05095:Homo sapiens ribosomal protein L30 mRNA, complete
- 34472_at Cluster Incl. AB012911:Homo sapiens mRNA for Frizzled-6, complete cds /
- 39953_i_at Cluster Incl. AB014528:Homo sapiens mRNA for KIAA0628 protein, comple
- 40353_at Cluster Incl. AL049962:Homo sapiens mRNA; cDNA DKFZp564P0823 (from
35 clon
- 41604_at Cluster Incl. U79297:Human clone 23589 mRNA sequence /cds=UNKNOWN
/gb=U
- 31899_at Cluster Incl. D14659:Human mRNA for KIAA0103 gene, complete cds /cds=(6
- 32697_at Cluster Incl. AF042729:Homo sapiens lithium-sensitive myo-inositol mono

	33761_s_at	Cluster Incl. AB007962:Homo sapiens mRNA, chromosome 1 specific trans
	34192_at	Cluster Incl. AB011104:Homo sapiens mRNA for KIAA0532 protein, partial
	35153_at	Cluster Incl. AF058696:Homo sapiens cell cycle regulatory protein p95 (
	36858_at	Cluster Incl. D25218:Human mRNA for KIAA0112 gene, partial cds /cds=(0,
5	37948_at	Cluster Incl. J05682:Human subunit C of V-ATPase (vat C) mRNA, 3 end /
	38283_at	Cluster Incl. AB007619:Homo sapiens mRNA for EBAG9, complete cds /cds=(
	38306_at	Cluster Incl. AA477576:zu44b03.r1 Homo sapiens cDNA, 5 end /clone=IMAG
	38681_at	Cluster Incl. U62962:Human Int-6 mRNA, complete cds /cds=(22,1359) /gb=
	39035_at	Cluster Incl. AF006010:Human progesterin induced protein (DD5) mRNA, comp
10	39036_g_at	Cluster Incl. AF006010:Human progesterin induced protein (DD5) mRNA, co
	39427_at	Cluster Incl. T79616:yd71e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	39706_at	Cluster Incl. AB014536:Homo sapiens mRNA for KIAA0636 protein, complete
	40129_at	Cluster Incl. U47077:Human DNA-dependent protein kinase catalytic subun
	32173_at	Cluster Incl. X95384:Homo sapiens mRNA for translational inhibitor prot
15	32255_i_at	Cluster Incl. U40705:Homo sapiens telomeric repeat binding factor (TR
	33368_at	Cluster Incl. X76040:H.sapiens mRNA for Lon protease-like protein /cds=
	33877_s_at	Cluster Incl. AB028990:Homo sapiens mRNA for KIAA1067 protein, partia
	34312_at	Cluster Incl. AI040324:oy33a12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35290_at	Cluster Incl. AL050081:Homo sapiens mRNA; cDNA DKFZp566J2146 (from clon
20	36117_at	Cluster Incl. L13616:Human focal adhesion kinase (FAK) mRNA, complete c
	37673_at	Cluster Incl. X96586:H.sapiens mRNA for FAN protein /cds=(12,2765) /gb=
	38114_at	Cluster Incl. D38551:Human mRNA for KIAA0078 gene, complete cds /cds=(1
	38472_at	Cluster Incl. D63477:Human mRNA for KIAA0143 gene, partial cds /cds=(0,
	41503_at	Cluster Incl. AB020661:Homo sapiens mRNA for KIAA0854 protein, complete
25	1789_at U65928	/FEATURE= /DEFINITION=HSU65928 Human Jun activation domain bindin
	1399_at L34587	/FEATURE= /DEFINITION=HUMRPIE Homo sapiens RNA polymerase II elon
	1235_at M86400	/FEATURE= /DEFINITION=HUMPHPLA2 Human phospholipase A2 mRNA,
	comp	
	1250_at U47077	/FEATURE= /DEFINITION=HSU47077 Homo sapiens DNA-dependent protein
30	1073_at M81601	/FEATURE= /DEFINITION=HUMTEFSII Human transcription elongation fa
	623_s_at	M28213 /FEATURE= /DEFINITION=HUMRAB2A Homo sapiens GTP-binding
	protein	
	160043_at	X66087 /FEATURE=cds /DEFINITION=HSAMYB2 H.sapiens a-myb mRNA
	/NOTE=rep	
35		
	METAGENE 337 :	
	36213_at	Cluster Incl. AB016816:Homo sapiens MASL1 mRNA, complete cds /cds=(0,31
	34701_at	Cluster Incl. U83192:Homo sapiens post-synaptic density protein 95 (PSD

- 36498_at Cluster Incl. AI936759:wp69b12.x1 Homo sapiens cDNA, 3' end /clone=IMAG
 1562_g_at U27193 /FEATURE= /DEFINITION=HSU27193 Human protein-tyrosine
 phosphata
 1343_s_at S66896 /FEATURE= /DEFINITION=S66896 squamous cell carcinoma antigen=se
- 5**
- METAGENE 338 :
- 35544_at Cluster Incl. Y16280:Homo sapiens mRNA for G protein-coupled receptor E
 32329_at Cluster Incl. X99142:H.sapiens mRNA for hair keratin, hHb6 /cds=(0,1451
10 40331_at Cluster Incl. AF035819:Homo sapiens macrophage receptor MARCO mRNA, com
 32128_at Cluster Incl. Y13710:Homo sapiens mRNA for alternative activated macrop
 37585_at Cluster Incl. X13482:Human mRNA for U2 snRNP-specific A protein /cds=(5
 35850_at Cluster Incl. AI950382:wp10g06.x1 Homo sapiens cDNA, 3' end /clone=IMAG
 41491_s_at Cluster Incl. AB028944:Homo sapiens mRNA for KIAA1021 protein, partia
15 1481_at L23808 /FEATURE= /DEFINITION=HUMHME Human metalloproteinase (HME) mRNA,
 1482_g_at L23808 /FEATURE= /DEFINITION=HUMHME Human metalloproteinase
 (HME) mRNA
- METAGENE 339 :
- 20**
- 32097_at Cluster Incl. AB007862:Homo sapiens KIAA0402 mRNA, partial cds /cds=(0,
 32713_at Cluster Incl. U51587:Homo sapiens Golgi complex autoantigen golgin-97 m
 40783_s_at Cluster Incl. L36151:Homo sapiens phosphatidylinositol 4-kinase mRNA,
 35301_at Cluster Incl. AL049941:Homo sapiens mRNA; cDNA DKFZp564E2222 (from
25 clon
 35776_at Cluster Incl. AF064243:Homo sapiens intersectin short form mRNA, comple
 37764_at Cluster Incl. D87328:Homo sapiens mRNA for HCS, complete cds /cds=(1231
 41264_at Cluster Incl. AL050172:Homo sapiens mRNA; cDNA DKFZp564F1322 (from
 clon
30
- METAGENE 340 :
- 32485_at Cluster Incl. X00371:Human myoglobin gene (exon 1) (and joined CDS) /cd
 36379_at Cluster Incl. AF085808:Homo sapiens uroplakin III mRNA, complete cds /c
35 34505_at Cluster Incl. AL109725:Homo sapiens mRNA full length insert cDNA clone
 32101_at Cluster Incl. AA112483:zn69a06.s1 Homo sapiens cDNA, 3' end /clone=IMAG
 37194_at Cluster Incl. M68891:Human GATA-binding protein (GATA2) mRNA, complete
 34347_at Cluster Incl. AL049955:Homo sapiens mRNA; cDNA DKFZp564J0123 (from clon
 34827_at Cluster Incl. AF045458:Homo sapiens serine/threonine kinase ULK1 (ULK1)

- 37002_at Cluster Incl. D32143:Human mRNA for biliverdin-IXbeta reductase I /cds=
 38729_at Cluster Incl. M88279:Human immunophilin (FKBP52) mRNA, complete cds /cd
 1071_at M77810 /FEATURE= /DEFINITION=HUMGATA2A Human transcription factor GATA-2
 1072_g_at M77810 /FEATURE= /DEFINITION=HUMGATA2A Human transcription factor
5 GATA
 203_at M68891 /FEATURE= /DEFINITION=HUMGATA Human GATA-binding protein
 (GATA2) m
- METAGENE 341 :
- 10**
- 31661_at Cluster Incl. AJ243936:Homo sapiens mRNA for G16 protein (G16 gene loca
 37130_g_at Cluster Incl. AI936758:wp69b11.x1 Homo sapiens cDNA, 3 end /clone=IM
 37462_i_at Cluster Incl. L21990:Human spliceosomal protein (SAP 62) gene, comple
 39601_at Cluster Incl. AF061836:Homo sapiens putative tumor suppressor protein (
15 39661_s_at Cluster Incl. AF034102:Homo sapiens NBMPR-insensitive nucleoside tran
 41004_at Cluster Incl. U43431:Human DNA topoisomerase III mRNA, complete cds /cd
 31842_at Cluster Incl. AF038195:Homo sapiens clone 23661 unknown protein mRNA, c
 32032_at Cluster Incl. L77566:Homo sapiens DGS-I mRNA, 3 end /cds=UNKNOWN
 /gb=L
- 20**
- 35983_at Cluster Incl. AC004528:Homo sapiens chromosome 19, cosmid R32184 /cds=(
 36076_g_at Cluster Incl. AL037167:DKFZp564P1564_s1 Homo sapiens cDNA, 3 end /cl
 37246_at Cluster Incl. AF070535:Homo sapiens clone 24432 mRNA sequence /cds=UNKN
 37278_at Cluster Incl. X92762:H.sapiens mRNA for tafazzins protein /cds=(288,116
 37584_at Cluster Incl. AJ007669:Homo sapiens mRNA for Fanconi anemia group G /cd
25 38340_at Cluster Incl. AB014555:Homo sapiens mRNA for KIAA0655 protein, partial
 38703_at Cluster Incl. AF005050:Homo sapiens aspartyl aminopeptidase mRNA, compl
 38710_at Cluster Incl. AL096714:Homo sapiens mRNA; cDNA DKFZp564E242 (from
 clone
- 39339_at Cluster Incl. AB018335:Homo sapiens mRNA for KIAA0792 protein, complete
- 30**
- 40416_at Cluster Incl. U04847:Human Ini1 mRNA, complete cds /cds=(69,1226) /gb=U
 40842_at Cluster Incl. M60784:Human U1 snRNP-specific protein A gene /cds=(137,9
 41161_at Cluster Incl. AB015051:Homo sapiens mRNA for Daxx, complete cds /cds=(1
 32198_at Cluster Incl. W28979:54e8 Homo sapiens cDNA /gb=W28979 /gi=1308927 /ug=
 32202_at Cluster Incl. U67322:Human HBV associated factor (XAP4) mRNA, complete
- 35**
- 33889_s_at Cluster Incl. D79985:Human mRNA for KIAA0163 gene, complete cds /cds=
 34358_at Cluster Incl. Z49254:H.sapiens L23-related mRNA /cds=(54,515) /gb=Z4925
 34864_at Cluster Incl. AF070638:Homo sapiens clone 24448 unknown mRNA, partial c
 36124_at Cluster Incl. X59434:Human rohu mRNA for rhodanese /cds=(34,924) /gb=X5
 38076_at Cluster Incl. X69907:H.sapiens gene for mitochondrial ATP synthase c su

- 38464_at Cluster Incl. X87237:H.sapiens mRNA for processing a-glucosidase I /cds
 39141_at Cluster Incl. AF027302:Homo sapiens TNF-alpha stimulated ABC protein (A
 39876_at Cluster Incl. AL035252:Human DNA sequence from clone 738P15 on chromoso
 40609_at Cluster Incl. AI475497:tj92g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 5 40635_at Cluster Incl. AF089750:Homo sapiens flotillin-1 mRNA, complete cds /cds
 40925_at Cluster Incl. AA554945:ni36d11.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 41258_at Cluster Incl. N29665:yw73e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 41804_at Cluster Incl. W80358:zh49a07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 41812_s_at Cluster Incl. AB020713:Homo sapiens mRNA for KIAA0906 protein, partia
 10 1706_at U01337 /FEATURE=expanded_cds /DEFINITION=HSU01337 Human Ser/Thr protein
 720_at D87673 /FEATURE= /DEFINITION=D87673 Homo sapiens mRNA for heat shock tran

METAGENE 342 :

- 15 33586_at Cluster Incl. AF070620:Homo sapiens clone 24694 mRNA sequence /cds=UNKN
 34289_f_at Cluster Incl. D50920:Human mRNA for KIAA0130 gene, complete cds /cds=
 34290_f_at Cluster Incl. W29091:56c5 Homo sapiens cDNA /gb=W29091 /gi=1309057 /u
 39042_at Cluster Incl. X05615:Human mRNA for thyroglobulin /cds=(41,8344) /gb=X0
 40787_at Cluster Incl. U90911:Human clone 23652 mRNA sequence /cds=UNKNOWN
 20 /gb=U
 32195_at Cluster Incl. AL049450:Homo sapiens mRNA; cDNA DKFZp586B1922 (from
 clon
 35846_at Cluster Incl. M24899:Human triiodothyronine (ear7) mRNA, complete cds /
 38437_at Cluster Incl. X80199:H.sapiens MLN51 mRNA /cds=(233,1837) /gb=X80199 /g
 25 39155_at Cluster Incl. D67025:Homo sapiens mRNA for proteasome subunit p58, comp
 616_s_at M24748 /FEATURE=cds#2 /DEFINITION=HUMTHRA1A Human thyroid
 hormone recep

METAGENE 343 :

- 30 32389_at Cluster Incl. W25892:17b9 Homo sapiens cDNA /gb=W25892 /gi=1306222 /ug=
 38612_at Cluster Incl. M69023:Human globin gene /cds=UNKNOWN /gb=M69023
 /gi=1831

35 METAGENE 344 :

- 31426_at Cluster Incl. U34806:Human G protein-coupled receptor (GPR15) gene, com
 31495_at Cluster Incl. D63789:Homo sapiens DNA for SCM-1beta precursor, complete
 31554_at Cluster Incl. X55019:H.sapiens mRNA for acetylcholine receptor delta su

	31621_s_at	Cluster Incl. M36860:Human elastin mRNA, complete cds /cds=(49,2241)
	31626_i_at	Cluster Incl. AF047485:Homo sapiens amine oxidase pseudogene mRNA, sp
	31740_s_at	Cluster Incl. AB008913:Homo sapiens mRNA for Pax-4, complete cds /cds
	31745_at	Cluster Incl. AF007194:Homo sapiens mucin (MUC3) mRNA, partial cds /cds
5	31975_at	Cluster Incl. X55503:H.sapiens pseudogene for metallothionein and AG/CT
	31993_f_at	Cluster Incl. U80764:Human EST clone 122887 mariner transposon Hsmar1
	32397_r_at	Cluster Incl. AA079018:zm94e12.s1 Homo sapiens cDNA, 3 end /clone=IM
	32468_f_at	Cluster Incl. D90278:Human CGM1b mRNA for CD66d /cds=(61,594) /gb=D90
	33011_at	Cluster Incl. Y10148:H.sapiens mRNA for NTR2 receptor /cds=(36,1268) /g
10	33027_at	Cluster Incl. W27906:39d11 Homo sapiens cDNA /gb=W27906 /gi=1307854 /ug
	33071_at	Cluster Incl. Z98744:histone H2B /cds=(5,382) /gb=Z98744 /gi=3080457 /u
	33080_s_at	Cluster Incl. AB007943:Homo sapiens mRNA for KIAA0474 protein, comple
	33090_at	Cluster Incl. AJ007292:Homo sapiens mRNA for ephrin-A2 /cds=(15,656) /g
	33622_at	Cluster Incl. Z26308:H.sapiens isoform 1 gene for L-type calcium channe
15	33640_at	Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /cds
	34104_i_at	Cluster Incl. AI147237:qb36f02.x1 Homo sapiens cDNA, 3 end /clone=IM
	34108_g_at	Cluster Incl. AJ005577:Homo sapiens pfkfb2 gene, exons 1 to 15 /cds=(
	34131_at	Cluster Incl. AB026891:Homo sapiens mRNA for cystine/glutamate transpor
	34167_s_at	Cluster Incl. AA984230:am82g03.s1 Homo sapiens cDNA, 3 end /clone=IM
20	35534_at	Cluster Incl. AB011086:Homo sapiens mRNA for KIAA0514 protein, complete
	32282_at	Cluster Incl. U66047:Human clone Z3-1 placenta expressed mRNA from chro
	33558_at	Cluster Incl. Y09445:H.sapiens mRNA for transcription factor TBX5 /cds=
	34005_at	Cluster Incl. X73079:Homo sapiens encoding Polymeric immunoglobulin rec
	34949_at	Cluster Incl. AB028971:Homo sapiens mRNA for KIAA1048 protein, complete
25	34963_at	Cluster Incl. AA557228:nl75c09.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	35379_at	Cluster Incl. X54412:Human mRNA for alpha1(IX) collagen (long form) /cd
	35492_at	Cluster Incl. AC004523:Homo sapiens chromosome 19, cosmid F22329 /cds=(
	35864_at	Cluster Incl. Y00970:Human mRNA for acrosin (EC 3.4.21.10) /cds=(16,128
	35882_at	Cluster Incl. AI075181:oy96b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30	35910_f_at	Cluster Incl. AJ003147:Homo sapiens complete genomic sequence between
	37061_at	Cluster Incl. U29615:Human chitotriosidase precursor mRNA, complete cds
	37095_r_at	Cluster Incl. M84562:Human formyl peptide receptor-like receptor (FPR
	37140_s_at	Cluster Incl. AF061193:Homo sapiens ectodysplasin-A isoform EDA-E (ED
	37151_at	Cluster Incl. AF052120:Homo sapiens clone 23836 mRNA sequence /cds=UNKN
35	37418_at	Cluster Incl. M36653:Human Oct-2 factor mRNA, complete cds /cds=UNKNOWN
	37429_g_at	Cluster Incl. AI140857:qa83c11.s1 Homo sapiens cDNA, 3 end /clone=IM
	37517_at	Cluster Incl. AB028962:Homo sapiens mRNA for KIAA1039 protein, partial
	37796_at	Cluster Incl. AF053356:Homo sapiens chromosome 7q22 sequence /cds=(0,24
	38162_at	Cluster Incl. AF007156:Homo sapiens clone 23617 unknown mRNA, partial c

	38193_at	Cluster Incl. X96754:H.sapiens gene encoding kappa light chain constant
	38538_at	Cluster Incl. AB014602:Homo sapiens mRNA for KIAA0702 protein, complete
	38607_at	Cluster Incl. AF027204:Homo sapiens putative tetraspan transmembrane pr
	39609_at	Cluster Incl. U80457:Human transcription factor SIM2 short form mRNA, c
5	40376_at	Cluster Incl. X83573:Homo sapiens ARSE gene, complete CDS /cds=(67,1836
	40651_s_at	Cluster Incl. AF039523:untitled /cds=(0,1334) /gb=AF039523 /gi=282812
	41034_s_at	Cluster Incl. U92315:Homo sapiens hydroxysteroid sulfotransferase SUL
	31810_g_at	Cluster Incl. Z21488:H.sapiens contactin mRNA /cds=(121,3177) /gb=Z21
	31819_at	Cluster Incl. AI796281:wh49a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
10	32104_i_at	Cluster Incl. U66063:Homo sapiens calcium/calmodulin-dependent protei
	32701_at	Cluster Incl. U51269:Human armadillo repeat protein mRNA, complete cds
	32739_at	Cluster Incl. AA001791:zh86c04.r1 Homo-sapiens cDNA, 5 end /clone=IMAG
	35201_at	Cluster Incl. X16135:Human mRNA for novel heterogeneous nuclear RNP pro
	36557_at	Cluster Incl. M92303:Human voltage-dependent calcium channel beta-1 sub
15	37285_at	Cluster Incl. X60364:Human ALAS mRNA for 5-aminolevulinate synthase pre
	37633_s_at	Cluster Incl. J04129:Human placental protein 14 (PP14) mRNA, complete
	37905_r_at	Cluster Incl. X66436:H.sapiens hsr1 mRNA (partial) /cds=UNKNOWN /gb=X
	38297_at	Cluster Incl. X98654:H.sapiens mRNA for DRES9 protein /cds=(189,3923) /
	39335_at	Cluster Incl. AI074025:oy66g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
20	32220_at	Cluster Incl. D63874:Human mRNA for HMG-1, complete cds /cds=(76,723) /
	34351_at	Cluster Incl. AL022394:dJ511B24.2 (1-Phosphatidylinositol-4,5-Bisphosph
	34405_at	Cluster Incl. U47927:Human isopeptidase T (ISOT) mRNA, complete cds /cd
	34846_at	Cluster Incl. AF112472:Homo sapiens calcium/calmodulin-dependent protei
	38822_at	Cluster Incl. AB011420:Homo sapiens mRNA for DRAK1, complete cds /cds=(
25	39451_i_at	Cluster Incl. AF050145:Homo sapiens iduronate-2-sulfatase (IDS) mRNA,
	39459_at	Cluster Incl. W28765:51d2 Homo sapiens cDNA /gb=W28765 /gi=1308713 /ug=
	39474_s_at	Cluster Incl. AF045800:Homo sapiens gremlin mRNA, complete cds /cds=(
	39490_f_at	Cluster Incl. W26381:29b11 Homo sapiens cDNA /gb=W26381 /gi=1307098 /
	39500_s_at	Cluster Incl. AL049299:Homo sapiens mRNA; cDNA DKFZp564P233 (from clo
30	39508_at	Cluster Incl. AI201607:qb81b03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40904_at	Cluster Incl. AI857673:wk96c02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41001_at	Cluster Incl. AB023202:Homo sapiens mRNA for KIAA0985 protein, complete
	41286_at	Cluster Incl. X77753:H.sapiens TROP-2 gene /cds=(615,1586) /gb=X77753 /
	41799_at	Cluster Incl. W28595:48h8 Homo sapiens cDNA /gb=W28595 /gi=1308543 /ug=
35	32525_r_at	Cluster Incl. W29012:55a6 Homo sapiens cDNA /gb=W29012 /gi=1308969 /u
	32540_at	Cluster Incl. AI762547:wh92e05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	1967_f_at	U18334 /FEATURE=cds /DEFINITION=HSUNOSIIC1 Human nitric oxide
	synthase	
	1804_at	X07730 /FEATURE= /DEFINITION=HSPSA Human mRNA for prostate specific anti

- 1432_s_at D16105 /FEATURE= /DEFINITION=HUMLTCLP2 Human mRNA for leukocyte tyrosi
- 1296_at D83542 /FEATURE= /DEFINITION=HUMC15A Homo sapiens mRNA for cadherin-15,
- 1089_i_at M64936 /FEATURE= /DEFINITION=HUMRIRT Homo sapiens retinoic acid-
- 5 induci
- 970_r_atX98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for ubiquitin
- 916_at L18983 /FEATURE=mRNA /DEFINITION=HUMTYROPHO Homo sapiens tyrosine phospho
- 870_f_atM93311 /FEATURE=cds /DEFINITION=HUMMETIII Human metallothionein-III gen
- 10 726_f_atChorionic Somatomammotropin Hormone Cs-5
- 259_s_at M16441 /FEATURE=cds#2 /DEFINITION=HUMTNFAB Human tumor necrosis factor
- METAGENE 345 :
- 15
- 35710_s_at Cluster Incl. U95006:Human D9 splice variant A mRNA, complete cds /cd
- 38655_at Cluster Incl. AI525633:PT1.3_04_A08.r Homo sapiens cDNA, 5 end /clone_
- 38988_at Cluster Incl. AJ007042:Homo sapiens mRNA for TRX5 protein /cds=(762,485
- 40873_at Cluster Incl. D86963:Human mRNA for KIAA0208 gene, complete cds /cds=(1
- 20 35800_at Cluster Incl. D63391:Human mRNA for platelet activating factor acetylhy
- 40891_f_at Cluster Incl. X92896:H.sapiens mRNA for ITBA2 protein /cds=(10,327) /
- 1132_s_at L12060 /FEATURE=mRNA /DEFINITION=HUMRARG7A Homo sapiens retinoic acid
- 25 METAGENE 346 :
- 35414_s_at Cluster Incl. U77914:Human soluble protein Jagged mRNA, partial cds /
- 36780_at Cluster Incl. M25915:Human complement cytolysis inhibitor (CLI) mRNA, c
- 37259_at Cluster Incl. Z81326:H.sapiens mRNA for protease inhibitor 12 (PI12; ne
- 30 37958_at Cluster Incl. AL049257:Homo sapiens mRNA; cDNA DKFZp564E153 (from clone
- 36690_at Cluster Incl. M10901:Human glucocorticoid receptor alpha mRNA, complete
- 38101_at Cluster Incl. AB011151:Homo sapiens mRNA for KIAA0579 protein, partial
- 38465_at Cluster Incl. M37721:Human peptidylglycine alpha-amidating monooxygenas
- 35 38800_at Cluster Incl. D45352:HUMHG17416 Homo sapiens cDNA /gb=D45352 /gi=113667
- 40202_at Cluster Incl. D31716:Human mRNA for GC box binding protein, complete cds
- 41830_at Cluster Incl. AB007963:Homo sapiens mRNA for KIAA0494 protein, complete
- 32526_at Cluster Incl. AA149644:z139d08.s1 Homo sapiens cDNA, 3 end /clone=IMAG

1507_s_at D11151 /FEATURE=_expandCDS /DEFINITION=HUMETAR8 Human DNA for endothel

METAGENE 347 :

5

33647_s_at Cluster Incl. AA224768:nc12d09.r1 Homo sapiens cDNA /clone=IMAGE-1007

35934_at Cluster Incl. L19161:Human translation initiation factor eIF-2 gamma su

37507_i_at Cluster Incl. AA675900:g02504r Homo sapiens cDNA, 5 end /clone=g0250

38230_at Cluster Incl. U81984:Human endothelial PAS domain protein 1 (EPAS1) mRN

10 38881_i_at Cluster Incl. AF096870:Homo sapiens estrogen-responsive B box protein

32038_s_at Cluster Incl. AI739308:wi30c12.x1 Homo sapiens cDNA, 3 end /clone=IM

40100_at Cluster Incl. U72206:Human guanine nucleotide regulatory factor (LFP40)

40845_at Cluster Incl. U10324:Human nuclear factor NF90 mRNA, complete cds /cds=

33818_at Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds=(

15 34374_g_at Cluster Incl. Z97054:Human DNA sequence from PAC 339A18 on chromosome

35287_at Cluster Incl. AF046888:Homo sapiens proliferation inducing ligand APRIL

37024_at Cluster Incl. AF010312:Homo sapiens Pig7 (PIG7) mRNA, complete cds /cds

38393_at Cluster Incl. D87434:Human mRNA for KIAA0247 gene, complete cds /cds=(2

38401_s_at Cluster Incl. W27594:34h4 Homo sapiens cDNA /gb=W27594 /gi=1307542 /u

20 2025_s_at M80261 /FEATURE= /DEFINITION=HUMAPE Human apurinic endonuclease (APE)

1950_s_at AB004922 /FEATURE=cds /DEFINITION=AB004922S1 Homo sapiens gene for Sma

1936_s_at Proto-Oncogene C-Myc, Alt. Splice 3, Orf 114

25 1272_at L19161 /FEATURE= /DEFINITION=HUMIEF2G Human translation initiation facto

1244_at U18671 /FEATURE=mRNA /DEFINITION=HSU18671 Human Stat2 gene, complete cds

1220_g_at X15949 /FEATURE=cds /DEFINITION=HSIRF2 Human mRNA for interferon regul

1199_at D13748 /FEATURE= /DEFINITION=HUM4AI Human mRNA for eukaryotic initiation

30 898_s_at L37360 /FEATURE= /DEFINITION=HUMEFL2 Homo sapiens (clone hEHK1-L) EHK1

612_s_at M19650 /FEATURE= /DEFINITION=HUMCNPDEA Human 2,3 -cyclic nucleotide 3

35 463_g_at U70862 /FEATURE= /DEFINITION=HSU70862 Human nuclear factor I B3 mRNA, c

421_at X66397 /FEATURE=cds /DEFINITION=HSTPRM H.sapiens tpr mRNA

METAGENE 348 :

	33602_at	Cluster Incl. AJ000479:Homo sapiens mRNA for putative G-protein coupled
	33613_at	Cluster Incl. AA806239:oc21e02.s1 Homo sapiens cDNA /clone=IMAGE-134153
	32953_at	Cluster Incl. X04391:Human mRNA for lymphocyte glycoprotein T1/Leu-1 /c
	32967_at	Cluster Incl. AF057557:Homo sapiens anti-Fas-induced apoptosis (TOSO) m
5	32977_at	Cluster Incl. U49187:Human placenta (Diff48) mRNA, complete cds /cds=(4
	34959_at	Cluster Incl. M15059:Human Fc-epsilon receptor (IgE receptor) mRNA, com
	34960_g_at	Cluster Incl. M15059:Human Fc-epsilon receptor (IgE receptor) mRNA, c
	35883_at	Cluster Incl. X66079:H.sapiens Spi-B mRNA /cds=(5,793) /gb=X66079 /gi=3
	37411_at	Cluster Incl. D30758:Human mRNA for KIAA0050 gene, complete cds /cds=(1
10	37417_at	Cluster Incl. M36542:Human lymphoid-specific transcription factor mRNA,
	37419_g_at	Cluster Incl. M36653:Human Oct-2 factor mRNA, complete cds /cds=UNKNO
	39318_at	Cluster Incl. X82240:H.sapiens mRNA for Tcell leukemia/lymphoma 1 /cds=
	40396_at	Cluster Incl. U49395:Human ionotropic ATP receptor P2X5a mRNA, complete
	40700_at	Cluster Incl. U36500:Human lymphoid-specific SP100 homolog (LYSP100-B)
15	40723_at	Cluster Incl. AJ010059:Homo sapiens SIT protein /cds=(87,677) /gb=AJ010
	40729_s_at	Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /c
	40749_at	Cluster Incl. X07203:Human mRNA for CD20 receptor (S7) /cds=(90,983) /g
	32649_at	Cluster Incl. X59871:Human TCF-1 mRNA for T cell factor 1 (splice form
	32660_at	Cluster Incl. AB002340:Human mRNA for KIAA0342 gene, complete cds /cds=
20	32716_at	Cluster Incl. X62535:H.sapiens mRNA for diacylglycerol kinase /cds=(103
	36874_at	Cluster Incl. M26004:Human CR2/CD21/C3d/Epstein-Barr virus receptor mRN
	37272_at	Cluster Incl. X57206:H.sapiens mRNA for 1D-myo-inositol-trisphosphate 3
	37988_at	Cluster Incl. M89957:Human immunoglobulin superfamily member B cell rec
	38269_at	Cluster Incl. AL050147:Homo sapiens mRNA; cDNA DKFZp586E0820 (from
25	clon	
	38359_at	Cluster Incl. Y12336:H.sapiens mRNA for F25B3.3 kinase like protein fro
	38361_g_at	Cluster Incl. AI688812:wd41c03.x1 Homo sapiens cDNA, 3 end /clone=IM
	40159_r_at	Cluster Incl. M55067:Human 47-kD autosomal chronic granulomatous dise
	40420_at	Cluster Incl. AB015718:Homo sapiens lok mRNA for protein kinase, comple
30	32224_at	Cluster Incl. AB018312:Homo sapiens mRNA for KIAA0769 protein, complete
	34871_at	Cluster Incl. W30677:zb75h10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	35310_at	Cluster Incl. D45288:HUMHG2121 Homo sapiens cDNA /gb=D45288
	/gi=1136684	
	1768_s_at	X59932 /FEATURE=mRNA /DEFINITION=HSCSRCKIN Human mRNA for C-
35	SRC-kinase	
	1336_s_at	X06318 /FEATURE=cds /DEFINITION=HSPKCB1A Human mRNA for protein
	kinase	
	1097_s_at	L31584 /FEATURE=exon /DEFINITION=HUMEBI103 Human G protein-coupled
	rec	

- 1096_g_at M28170 /FEATURE= /DEFINITION=HUMCSPC Human cell surface protein
CD19 (
- 1085_s_at M37238 /FEATURE=mRNA /DEFINITION=HUMPLC Human phospholipase C
mRNA, co
- 5** 1004_at X68149 /FEATURE=exon#2 /DEFINITION=HSBLR1A Homo sapiens BLR1 gene for Bu
854_at S76617 /FEATURE= /DEFINITION=S76617 blk=protein tyrosine kinase [human, B
848_at U19261 /FEATURE= /DEFINITION=HSU19261 Homo sapiens Epstein-Barr virus-ind
619_s_at M27394 /FEATURE=cds /DEFINITION=HUMB1LYM Human B-lymphocyte
cell-surfac
- 10** 358_at AF000545 /FEATURE=cds /DEFINITION=HSAF000545 Homo sapiens putative purine
253_g_at L42324 /FEATURE=cds /DEFINITION=HUMFRCG Homo sapiens (clone GPCR
W) G p
138_at U66464 /FEATURE= /DEFINITION=HSU66464 Human hematopoietic progenitor kina
- 15** METAGENE 349 :
- 32968_s_at Cluster Incl. AL050253:H.sapiens mRNA similar to D29763 mouse mRNA fo
33947_at Cluster Incl. U18550:Human GPR3 G protein-coupled receptor gene, comple
34495_r_at Cluster Incl. AJ011733:Homo sapiens mRNA for synaptogyrin 4 protein /
- 20** 37514_s_at Cluster Incl. AB008047:Homo sapiens sMAP mRNA for small MBL-associate
39220_at Cluster Incl. T92248:ye18d03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
36640_at Cluster Incl. X66141:H.sapiens mRNA for cardiac ventricular myosin ligh
39190_s_at Cluster Incl. AC002126:Homo sapiens DNA from chromosome 19-cosmids R3
33105_at Cluster Incl. W28790:54g3 Homo sapiens cDNA /gb=W28790 /gi=1308945 /ug=
- 25** 1207_at X66365 /FEATURE=cds /DEFINITION=HSSTHPKF H.sapiens mRNA PLSTIRE for seri
- METAGENE 350 :
- 32062_at Cluster Incl. D25216:Human mRNA for KIAA0014 gene, complete cds /cds=(1
30 36555_at Cluster Incl. AF044311:Homo sapiens gamma-synuclein gene, complete cds
39878_at Cluster Incl. AI524125:th09d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- METAGENE 351 :
- 35** 32001_s_at Cluster Incl. M80482:Human subtilisin-like protein (PACE4) mRNA, comp
35055_at Cluster Incl. X53281:H.sapiens BTF3b mRNA /cds=(239,727) /gb=X53281 /gi
34042_at Cluster Incl. U96769:Homo sapiens chondroadherin gene, 5flanking region
35437_at Cluster Incl. M88461:Human neuropeptide Y peptide YY receptor mRNA, com
37486_f_at Cluster Incl. U68385:Human Meis1-related protein 2 (MRG2), mRNA, part

	37811_at	Cluster Incl. AF042792:Homo sapiens alpha 2 delta calcium channel subun
	38167_at	Cluster Incl. AB020704:Homo sapiens mRNA for KIAA0897 protein, partial
	38954_at	Cluster Incl. Y18423:Homo sapiens VIP2R gene, exons 1-2 (and joined CDS
	39583_at	Cluster Incl. AF030435:Homo sapiens glioma amplified on chromosome 1 pr
5	39992_at	Cluster Incl. AF030302:Homo sapiens p45-BWR1A (BWR1-A) mRNA, complete c
	40016_g_at	Cluster Incl. AB002301:Human mRNA for KIAA0303 gene, partial cds /cds
	41655_at	Cluster Incl. AL034399:dA191P20.2 (novel Fibronectin type III domain co
	35175_f_at	Cluster Incl. X70940:H.sapiens mRNA for elongation factor 1 alpha-2 /
10	35216_at	Cluster Incl. X79440:H.sapiens mRNA for NADP+-dependent malic enzyme /c
	36499_at	Cluster Incl. D87469:Human mRNA for KIAA0279 gene, partial cds /cds=(0,
	36859_at	Cluster Incl. AF067724:Homo sapiens nm23-H5 mRNA, complete cds /cds=(48
	38688_at	Cluster Incl. AB007930:Homo sapiens mRNA for KIAA0461 peroteine, partial
	39014_at	Cluster Incl. D84239:Homo sapiens mRNA for IgG Fc binding protein, comp
15	39378_at	Cluster Incl. U17999:HSU17999 Homo sapiens cDNA /clone=B49B32B27 /gb=U1
	39421_at	Cluster Incl. D43969:Human AML1 mRNA for AML1c protein (alternatively s
	39781_at	Cluster Incl. U20982:Human insulin-like growth factor binding protein-4
	33452_at	Cluster Incl. M15518:Human tissue-type plasminogen activator (t-PA) mRNA
	33825_at	Cluster Incl. X68733:H.sapiens gene for alpha1-antichymotrypsin, exon 1
20	34408_at	Cluster Incl. AF004222:Homo sapiens RTN2-A (RTN2) mRNA, complete cds /c
	35778_at	Cluster Incl. AB011103:Homo sapiens mRNA for KIAA0531 protein, complete
	36179_at	Cluster Incl. U12779:Human MAP kinase activated protein kinase 2 mRNA,
	40986_s_at	Cluster Incl. AA058852:zf65a11.s1 Homo sapiens cDNA, 3 end /clone=IM
	41328_s_at	Cluster Incl. AL096717:Homo sapiens mRNA; cDNA DKFZp564P0662 (from cl
25	1737_s_at	M62403 /FEATURE= /DEFINITION=HUMIGFBP5 Human insulin-like growth facto
	1241_at	U14603 /FEATURE= /DEFINITION=HSU14603 Human protein-tyrosine phosphatase
	943_at	D43968 /FEATURE= /DEFINITION=HUMAML1BA Human AML1 mRNA for AML1b protein
30	573_at	M86826 /FEATURE= /DEFINITION=HUMIGFACID Human IGF binding protein complex
METAGENE 352 :		
35	37222_at	Cluster Incl. X79389:H.sapiens GSTT1 mRNA /cds=(0,722) /gb=X79389 /gi=5
	35836_at	Cluster Incl. AB019408:Homo sapiens mRNA, expressed in fibroblasts of p
	375_at	Z84718 /FEATURE=mRNA#1 /DEFINITION=HS322B1 Human DNA sequence from clone

METAGENE 353 :

- 34970_r_at Cluster Incl. AI655458:tt13a03.x1 Homo sapiens cDNA, 3' end /clone=IM
 37779_at Cluster Incl. Y08134:H.sapiens mRNA for ASM-like phosphodiesterase 3b /
5 31816_at Cluster Incl. X55079:Human lysosomal alpha-glucosidase gene exon 1 /cds
 33758_f_at Cluster Incl. U25988:Human pregnancy-specific glycoprotein 13 (PSG13)
 33879_at Cluster Incl. U79528:Human SR31747 binding protein 1 mRNA, complete cds
 37761_at Cluster Incl. AB015020:Homo sapiens mRNA for BAP2-beta protein, complet
 38029_at Cluster Incl. J02939:Human membrane glycoprotein 4F2 antigen heavy chai
10 38429_at Cluster Incl. U29344:Human breast carcinoma fatty acid synthase mRNA, c
 39185_at Cluster Incl. AF091083:Homo sapiens clone 628 unknown mRNA, complete se
 1813_at Epidermal Growth Factor Receptor-Related Protein

METAGENE 354 :

- 15**
 38156_at Cluster Incl. U78313:Human myogenic repressor I-mf (MDFI) mRNA, complet
 34277_at Cluster Incl. AB018195:Homo sapiens ca xi mRNA for carbonic anhydrase-r
 38286_at Cluster Incl. AB028994:Homo sapiens mRNA for KIAA1071 protein, partial
 39417_at Cluster Incl. AB028951:Homo sapiens mRNA for KIAA1028 protein, partial

20

METAGENE 355 :

- 36694_at Cluster Incl. AF043472:Homo sapiens Shab-related delayed-rectifier K⁺ c
 37422_at Cluster Incl. S71018:cyclophilin C [human, kidney, mRNA, 883 nt] /cds=(
25 38228_g_at Cluster Incl. AB006909:Homo sapiens mRNA for A-type microphthalmia as
 33787_at Cluster Incl. AB011109:Homo sapiens mRNA for KIAA0537 protein, complete
 36497_at Cluster Incl. W28438:47g10 Homo sapiens cDNA /gb=W28438 /gi=1308449 /ug
 36550_at Cluster Incl. AL049538:Human DNA sequence from clone 1175I6 on chromoso
 38653_at Cluster Incl. D11428:Homo sapiens mRNA for PMP-22(PAS-II/SR13/Gas-3), c
30 39754_at Cluster Incl. X53002:Human mRNA for integrin beta-5 subunit /cds=(336,2
 33371_s_at Cluster Incl. U59877:Human low-Mr GTP-binding protein (RAB31) mRNA, c
 41534_at Cluster Incl. AB006755:Homo sapiens mRNA for PCDH7 (BH-Pcdh)a, complete
 2058_s_at M35011 /FEATURE= /DEFINITION=HUMIBSUB Human integrin beta-5 subunit
 mR
35 719_g_at D87258 /FEATURE= /DEFINITION=D87258 Homo sapiens mRNA for serin
 proteas
 273_g_at K02054 /FEATURE=mRNA /DEFINITION=HUMGRP5E Human gastrin-
 releasing pepti

METAGENE 356 :

- 39605_at Cluster Incl. X74142:H.sapiens HBF-1 mRNA for transcription factor /cds
 32092_at Cluster Incl. AB007937:Homo sapiens mRNA for KIAA0468 protein, complete
 5 32648_at Cluster Incl. U15979:Human (dlk) mRNA, complete cds /cds=(173,1321) /gb
 33795_at Cluster Incl. AB006630:Homo sapiens mRNA for KIAA0292 gene, partial cds
 34720_at Cluster Incl. U85193:Human nuclear factor I-B2 (NFIB2) mRNA, complete c
 35716_at Cluster Incl. AB008164:Homo sapiens mRNA for ST1C2, complete cds /cds=(
 36899_at Cluster Incl. M97287:Human MAR/SAR DNA binding protein (SATB1) mRNA,
 10 co
 38003_s_at Cluster Incl. U94905:Human diacylglycerol kinase zeta mRNA, alternati
 40054_at Cluster Incl. D43949:Human mRNA for KIAA0082 gene, partial cds /cds=(0,
 40141_at Cluster Incl. AB014595:Homo sapiens mRNA for KIAA0695 protein, complete
 37294_at Cluster Incl. X61123:Human BTG1 mRNA /cds=(308,823) /gb=X61123 /gi=2950
 15 1364_at M93426 /FEATURE= /DEFINITION=HUMPTPRZ Human protein tyrosine phosphatase
 174_s_at U61167 /FEATURE= /DEFINITION=HSU61167 Human SH3 domain-containing
 prote

METAGENE 357 :

- 20
 35177_at Cluster Incl. AB018268:Homo sapiens mRNA for KIAA0725 protein, partial
 39017_at Cluster Incl. AJ238094:Homo sapiens mRNA for Lsm1 protein /cds=(188,589
 40424_at Cluster Incl. AI017935:ou43h10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 35804_at Cluster Incl. AB022785:Homo sapiens ASH2L gene, complete cds, similar t
 25 2056_at M34641 /FEATURE= /DEFINITION=HUMFGF1A Human fibroblast growth factor (FG
 2057_g_at M34641 /FEATURE= /DEFINITION=HUMFGF1A Human fibroblast growth
 factor (
 424_s_at X66945 /FEATURE=cds /DEFINITION=HSNSAMTK H.sapiens N-sam mRNA
 for fibro

30

METAGENE 358 :

- 37498_at Cluster Incl. AL050404:Human DNA sequence from clone 955M13 on chromoso
 39302_at Cluster Incl. X56807:Human DSC2 mRNA for desmocollins type 2a and 2b /c
 35 39625_at Cluster Incl. AL050204:Homo sapiens mRNA; cDNA DKFZp586F1223 (from
 clon
 31792_at Cluster Incl. M20560:Human lipocortin-III mRNA, complete cds /cds=(46,1
 36515_at Cluster Incl. AJ238764:Homo sapiens mRNA for UDP-N-acetylglucosamine-2-
 36873_at Cluster Incl. D16532:Human gene for very low density lipoprotein recept

	37225_at	Cluster Incl. D79994:Human mRNA for KIAA0172 gene, partial cds /cds=(0,
	37544_at	Cluster Incl. X64318:H.sapiens E4BP4 gene /cds=(213,1601) /gb=X64318 /g
	40423_at	Cluster Incl. AB020710:Homo sapiens mRNA for KIAA0903 protein, partial
	34850_at	Cluster Incl. AB017644:Homo sapiens mRNA for ubiquitin-conjugating enzy
5	35335_at	Cluster Incl. AB014519:Homo sapiens mRNA for KIAA0619 protein, complete
	35342_at	Cluster Incl. AF052159:Homo sapiens clone 24416 mRNA sequence /cds=UNKN
	35803_at	Cluster Incl. S82240:RhoE=26 kda GTPase homolog [human, HeLa cell line,
	35816_at	Cluster Incl. U46692:Human cystatin B gene, complete cds /cds=(96,392)
	37047_at	Cluster Incl. AF002020:Homo sapiens Niemann-Pick C disease protein (NPC
10	37327_at	Cluster Incl. X00588:Human mRNA for precursor of epidermal growth facto
	1674_at	M15990 /FEATURE= /DEFINITION=HUMCYES1 Human c-yes-1 mRNA
	408_at	X54489 /FEATURE=mRNA /DEFINITION=HSMGSAG Human gene for melanoma
		growth s
	339_at	AF035752 /FEATURE= /DEFINITION=AF035752 Homo sapiens caveolin-2 mRNA, com
15		
		METAGENE 359 :
	32971_at	Cluster Incl. L27479:Human X123 mRNA, 3 end /cds=(2,739) /gb=L27479 /g
	37860_at	Cluster Incl. AL049942:Homo sapiens mRNA; cDNA DKFZp564F1422 (from
20	clon	
	41018_at	Cluster Incl. AL050015:Homo sapiens mRNA; cDNA DKFZp564O243 (from
	clone	
	41418_at	Cluster Incl. AB020628:Homo sapiens mRNA for KIAA0821 protein, complete
	33698_at	Cluster Incl. AB028975:Homo sapiens mRNA for KIAA1052 protein, complete
25	34178_at	Cluster Incl. AI884738:wl84b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35675_at	Cluster Incl. AF037261:Homo sapiens SH3-containing adaptor molecule-1 m
	36084_at	Cluster Incl. D38548:Human mRNA for KIAA0076 gene, complete cds /cds=(8
	37192_at	Cluster Incl. U28389:Human dematin 52 kDa subunit mRNA, complete cds /c
	37563_at	Cluster Incl. AB007871:Homo sapiens KIAA0411 mRNA, complete cds /cds=(0
30	38621_at	Cluster Incl. AJ012008:Homo sapiens genes encoding RNCC protein, DDAH p
	38628_at	Cluster Incl. AF029777:Homo sapiens histone acetyltransferase (GCN5) mR
	40149_at	Cluster Incl. AL049924:Homo sapiens mRNA; cDNA DKFZp547G1110 (from
	clon	
	40446_at	Cluster Incl. AL021366:cICK0721Q.4.1 (PHD finger protein 2) (isoform 2)
35	40829_at	Cluster Incl. AB028960:Homo sapiens mRNA for KIAA1037 protein, partial
	40837_at	Cluster Incl. M99436:Human transducin-like enhancer protein (TLE2) mRNA
	33822_at	Cluster Incl. Z11584:H.sapiens mRNA for NuMA protein /cds=(258,6563) /g
	33901_at	Cluster Incl. U81375:Human placental equilibrative nucleoside transport
	36129_at	Cluster Incl. AB007857:Homo sapiens KIAA0397 mRNA, complete cds /cds=(5

- 38109_at Cluster Incl. AF020544:Homo sapiens inactive palmitoyl-protein thioeste
 38398_at Cluster Incl. AB002356:Human mRNA for KIAA0358 gene, complete cds /cds=
 38810_at Cluster Incl. AF039241:AF039241 Homo sapiens cDNA /clone=11-67js /gb=AF
 39103_s_at Cluster Incl. H98552:yv97h03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 5 39164_at Cluster Incl. AF099149:Homo sapiens TRIAD1 type I mRNA, complete cds /c
 39866_at Cluster Incl. AB028986:Homo sapiens mRNA for KIAA1063 protein, partial
 40219_at Cluster Incl. AI796944:we25b03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 40997_at Cluster Incl. AI660963:wf20e04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 1047_s_at U37055 /FEATURE=mRNA /DEFINITION=HSU37055 Human hepatocyte
 10 growth fact
 320_at D83703 /FEATURE= /DEFINITION=D83703 Homo sapiens mRNA for peroxisome asse
 329_s_at Nuclear Mitotic Apparatus Protein 1, Alt. Splice Form 2
 162_at U44839 /FEATURE= /DEFINITION=HSU44839 Human putative ubiquitin C-terminal
 15 METAGENE 360 :
 32382_at Cluster Incl. AB015234:Homo sapiens mRNA for uroplakin 1b, complete cds
 39077_at Cluster Incl. U41843:Human Dr1-associated corepressor (DRAP1) mRNA, com
 36587_at Cluster Incl. Z11692:H.sapiens mRNA for elongation factor 2 /cds=(0,257
 20 36683_at Cluster Incl. AI953789:wx69d10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 41831_at Cluster Incl. AF077820:Homo sapiens LDL receptor member LR3 mRNA, compl
 METAGENE 361 :
 25 37883_i_at Cluster Incl. AI375033:ta66e10.x1 Homo sapiens cDNA, 3 end /clone=IM
 41680_at Cluster Incl. AF007170:Homo sapiens DEME-6 mRNA, partial cds /cds=(0,17
 33263_at Cluster Incl. X67098:H.sapiens rTS alpha mRNA containing four open read
 37932_at Cluster Incl. Y12490:Homo sapiens mRNA for Golgi-associated microtubule
 39072_at Cluster Incl. L07648:Human MXI1 mRNA, complete cds /cds=(208,894) /gb=L
 30 40405_at Cluster Incl. X70991:H.sapiens MADER mRNA /cds=(0,1427) /gb=X70991 /gi=
 32154_at Cluster Incl. M36711:Human sequence-specific DNA-binding protein (AP-2)
 1629_s_at Tyrosine Phosphatase 1, Non-Receptor, Alt. Splice 3
 654_at L07648 /FEATURE= /DEFINITION=HUMMXI1A Human MXI1 mRNA, complete cds
 243_g_at M64571 /FEATURE=mRNA /DEFINITION=HUMMAP4 Human microtubule-
 35 associated p

METAGENE 362 :

- 34151_at Cluster Incl. AL050284:Homo sapiens mRNA; cDNA DKFZp586M1019 (from
clon
- 40735_at Cluster Incl. D16626:Human mRNA for histidase, complete cds /cds=(243,2
- 35169_at Cluster Incl. AI982638:wt53c06.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 5 36043_at Cluster Incl. AF070577:Homo sapiens clone 24461 mRNA sequence /cds=UNKN
- 39530_at Cluster Incl. L35240:Human enigma gene, complete cds /cds=(0,1367) /gb=
- 40926_at Cluster Incl. U36341:Human Xq28 cosmid, creatine transporter (SLC6A8) g
- 32522_f_at Cluster Incl. M20469:Human brain-type clathrin light-chain b mRNA, co
- 33141_at Cluster Incl. M84472:Human 17-beta-hydroxysteroid dehydrogenase (EDH17B
- 10 1746_s_at Tumor Necrosis Factor Receptor 2 Associated Protein Trap3
- 1587_at M38258 /FEATURE= /DEFINITION=HUMRARGA Human retinoic acid receptor gamma
- 406_at X53587 /FEATURE=mRNA /DEFINITION=HSINTB4R Human mRNA for integrin beta 4
- 355_s_at D38037 /FEATURE= /DEFINITION=HUMOTK4 Human mRNA for FK506-
binding prote
- 15
- METAGENE 363 :
- 34541_at Cluster Incl. L02867:Homo sapiens 62 kDa paraneoplastic antigen mRNA, 3
- 33714_at Cluster Incl. Y10043:Homo sapiens mRNA for high mobility group protein
- 20 39002_at Cluster Incl. AJ010063:Homo sapiens telethonin gene /cds=(10,513) /gb=A
- 33370_r_at Cluster Incl. U60205:Human methyl sterol oxidase (ERG25) mRNA, comple
- 40592_at Cluster Incl. L13329:Homo sapiens iduronate-2-sulfatase (IDS) gene /cds
- 1901_s_at M12036 /FEATURE=cds /DEFINITION=HUMHER2B Human tyrosine kinase-
type re
- 25 881_at M35198 /FEATURE= /DEFINITION=HUMINTB6A Human integrin B-6 mRNA,
complete
- METAGENE 364 :
- 30 32314_g_at Cluster Incl. M12125:Human fibroblast muscle-type tropomyosin mRNA, c
- 41388_at Cluster Incl. AF017418:Homo sapiens homeobox protein MEIS2 (MEIS2) mRNA
- 41478_at Cluster Incl. AL033538:Human DNA sequence from clone 477H23 on chromoso
- 33222_at Cluster Incl. AB017365:Homo sapiens mRNA for frizzled-7, complete cds /
- 33240_at Cluster Incl. AB029018:Homo sapiens mRNA for KIAA1095 protein, partial
- 35 34203_at Cluster Incl. D17408:Homo sapiens mRNA for calponin, complete cds /cds=
- 34265_at Cluster Incl. Y00757:Human mRNA for polypeptide 7B2 /cds=(28,663) /gb=Y
- 35698_at Cluster Incl. Y00318:Human mRNA for complement control protein factor I
- 35703_at Cluster Incl. X06374:Human mRNA for platelet-derived growth factor PDGF
- 36061_at Cluster Incl. AF009314:Homo sapiens clone TUA8 Cri-du-chat region mRNA

	36073_at	Cluster Incl. U35139:Human NECDIN related protein mRNA, complete cds /c
	36890_at	Cluster Incl. AF001691:Homo sapiens 195 kDa cornified envelope precursor
	37929_at	Cluster Incl. AB017563:Homo sapiens IGSF4 gene /cds=(0,1328) /gb=AB0175
	37951_at	Cluster Incl. AF035119:Homo sapiens deleted in liver cancer-1 (DLC-1) m
5	32206_at	Cluster Incl. AB007920:Homo sapiens mRNA for KIAA0451 protein, complete
	32755_at	Cluster Incl. X13839:Human mRNA for vascular smooth muscle alpha-actin
	36577_at	Cluster Incl. Z24725:H.sapiens mitogen inducible gene mig-2, complete C
	39528_at	Cluster Incl. L24564:Human Rad mRNA, complete cds /cds=(123,1049) /gb=L
	40230_at	Cluster Incl. U91903:Human Fritz mRNA, complete cds /cds=(69,1046) /gb=
10	41273_at	Cluster Incl. AL046940:DKFZp586I0517_r1 Homo sapiens cDNA, 5' end /clon

METAGENE 365 :

	31593_at	Cluster Incl. Z70200:H.sapiens gene for U5 snRNP-specific 200kD protein
15	31597_r_at	Cluster Incl. L36055:Human 4E-binding protein 1 mRNA, complete cds /c
	33642_s_at	Cluster Incl. U17986:Human GABA/noradrenaline transporter mRNA, compl
	34016_s_at	Cluster Incl. X78338:Synthetic adenovirus transformed human retina ce
	35438_at	Cluster Incl. X87852:H.sapiens mRNA for SEX gene /cds=(184,5799) /gb=X8
	38200_at	Cluster Incl. U11690:Human faciogenital dysplasia (FGD1) mRNA, complete
20	39235_at	Cluster Incl. AC003038:Human DNA from chromosome 19-specific cosmid R30
	35243_at	Cluster Incl. AA535884:nf90d04.s1 Homo sapiens cDNA, 3' end /clone=IMAG
	37965_at	Cluster Incl. AA181053:zp66g11.s1 Homo sapiens cDNA, 3' end /clone=IMAG
	40465_at	Cluster Incl. AF026402:Homo sapiens U5 snRNP 100 kD protein mRNA, compl
	36987_at	Cluster Incl. M94362:Human lamin B2 (LAMB2) mRNA, partial cds /cds=(0,1
25	37719_at	Cluster Incl. AF070539:Homo sapiens clone 24433 myelodysplasia/myeloid
	32543_at	Cluster Incl. M84739:Human autoantigen calreticulin mRNA, complete cds
	32559_s_at	Cluster Incl. AJ238096:Homo sapiens mRNA for Lsm4 protein /cds=(23,44
	1979_s_at	X55504 /FEATURE=cds /DEFINITION=HSP120A H.sapiens mRNA for P120
	antige	
30	1775_at	L24559 /FEATURE= /DEFINITION=HUMDNSPOLA Homo sapiens DNA polymerase
	alph	
	1781_at	M25269 /FEATURE= /DEFINITION=HUMELK1A Homo sapiens tyrosine kinase (ELK1
	1752_at	AD000092 /FEATURE=cds#6 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro
	1462_s_at	M80397 /FEATURE= /DEFINITION=HUMDNAPOLC Human DNA polymerase
35	delta cat	
	1224_at	X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA PCTAIRE-1 for se
	1225_g_at	X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA
	PCTAIRE-1 for	
	1100_at	L76191 /FEATURE=mRNA /DEFINITION=HUMI1R Homo sapiens interleukin-1 recep

410_s_at X57152 /FEATURE=mRNA#1 /DEFINITION=HCKIIBE Human gene for casein
kinas

METAGENE 366 :

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31527_at Cluster Incl. X17206:Human mRNA for LLRep3 /cds=(240,905) /gb=X17206 /g
31731_at Cluster Incl. AF013956:Homo sapiens Polycomb 2 homolog (hPc2) mRNA, com
39281_at Cluster Incl. AB002378:Human mRNA for KIAA0380 gene, complete cds /cds=
33781_s_at Cluster Incl. AF075599:Homo sapiens ubiquitin conjugating enzyme 12 (

10

35155_at Cluster Incl. AC005306:Homo sapiens chromosome 19, cosmid R27216 /cds=(
36554_at Cluster Incl. Y15521:Homo sapiens ASMTL gene /cds=(0,1889) /gb=Y15521 /
37911_at Cluster Incl. U07158:Human syntaxin mRNA, complete cds /cds=(66,959) /g
40439_at Cluster Incl. AF047469:Homo sapiens arsenite translocating ATPase (ASNA
40815_g_at Cluster Incl. L40586:Homo sapiens iduronate-2-sulphatase (IDS) mRNA,

15

35798_at Cluster Incl. W25936:15b5 Homo sapiens cDNA /gb=W25936 /gi=1306059 /ug=
36180_s_at Cluster Incl. X75346:H.sapiens mRNA for MAP kinase activated protein
36653_g_at Cluster Incl. J03824:Human uroporphyrinogen III synthase mRNA, comple
37048_at Cluster Incl. U58970:Human putative outer mitochondrial membrane 34 kDa
37690_at Cluster Incl. U61263:Human acetolactate synthase homolog mRNA, complete

20

38372_at Cluster Incl. U66042:Human clone 191B7 placenta expressed mRNA from chr
38373_g_at Cluster Incl. U66042:Human clone 191B7 placenta expressed mRNA from c
40280_at Cluster Incl. U72508:Human B7 mRNA, complete cds /cds=(112,1050) /gb=U7
41308_at Cluster Incl. U37408:Homo sapiens phosphoprotein CtBP mRNA, complete cd
2016_s_at M64241 /FEATURE= /DEFINITION=HUMQM Human Wilm s tumor-related

25

protein
1926_at U48801 /FEATURE= /DEFINITION=HSU48801 Human vascular endothelial growth
1836_at D50310 /FEATURE= /DEFINITION=HUMCYI Human mRNA for cyclin I, complete cd
1764_s_at D85131 /FEATURE= /DEFINITION=D85131 Homo sapiens mRNA for Myc-
associat

30

1158_s_at J04046 /FEATURE=mRNA /DEFINITION=HUMCAMA Human calmodulin
mRNA, comple

922_at J02902 /FEATURE=mRNA /DEFINITION=HUMP2A Human protein phosphatase 2A regu
838_s_at U45328 /FEATURE= /DEFINITION=HSU45328 Human ubiquitin-conjugating
enzym

35

605_at L78833 /FEATURE=exon#36 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7 and
vatl g

434_at X03473 /FEATURE=cds /DEFINITION=HSHIS10G Human gene for histone H1(0)

392_g_at X89416 /FEATURE=cds /DEFINITION=HSRNAPPP5 H.sapiens mRNA for
protein ph

318_at D64142 /FEATURE=mRNA /DEFINITION=D64142 Human mRNA for histone H1x, compl

146_at U81802 /FEATURE= /DEFINITION=HSU81802 Human PtdIns 4-kinase (PI4Kb) mRNA,

5 METAGENE 367 :

36782_s_at Cluster Incl. J03242:Human insulin-like growth factor II mRNA, complet

38374_at Cluster Incl. AF050110:Homo sapiens TGFb inducible early protein and ea

33102_at Cluster Incl. D67031:Homo sapiens ADDL mRNA for adducin-like protein, c

- 10 33103_s_at Cluster Incl. U37122:Human adducin gamma subunit mRNA, complete cds /
1319_at X74764 /FEATURE=cds /DEFINITION=HSRPTK H.sapiens mRNA for receptor prote
224_at S81439 /FEATURE= /DEFINITION=S81439 EGR alpha=early growth response gene

METAGENE 368 :

15

31688_at Cluster Incl. AF005080:Homo sapiens skin-specific protein (xp5) mRNA, c

35094_f_at Cluster Incl. AF025527:Homo sapiens leucocyte immunoglobulin-like rec

34438_at Cluster Incl. U71364:Human serine proteinase inhibitor (P19) mRNA, comp

37070_at Cluster Incl. D14720:Homo sapiens gene for peripheral myelin protein ze

- 20 33744_at Cluster Incl. AL080150:Homo sapiens mRNA; cDNA DKFZp434D174 (from
clone

37922_at Cluster Incl. L02648:Homo sapiens (clone V6) transcobalamin II (TCN2) m

36148_at Cluster Incl. U48437:Human amyloid precursor-like protein 1 mRNA, compl

40257_at Cluster Incl. AI400011:tg85a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG

25

METAGENE 369 :

31364_i_at Cluster Incl. W27762:37c6 Homo sapiens cDNA /gb=W27762 /gi=1307710 /u

33943_at Cluster Incl. L20941:Human ferritin heavy chain mRNA, complete cds /cds

- 30 33237_at Cluster Incl. AB018344:Homo sapiens mRNA for KIAA0801 protein, complete

36507_at Cluster Incl. D30612:Homo sapiens mRNA for repressor protein, partial c

37961_at Cluster Incl. U90907:Human clone 23907 mRNA sequence /cds=UNKNOWN
/gb=U

38712_at Cluster Incl. AL035291:H.sapiens gene from PACs 125H23 and 105D12 /cds=

- 35 38969_at Cluster Incl. AI828168:wk32h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG

35833_at Cluster Incl. AL080184:Homo sapiens mRNA; cDNA DKFZp434O071 (from
clone

38381_at Cluster Incl. U32315:Human syntaxin 3 mRNA, complete cds /cds=(38,907)

41296_s_at Cluster Incl. W27761:37c5 Homo sapiens cDNA /gb=W27761 /gi=1307709 /u

1904_at D50692 /FEATURE= /DEFINITION=HUMAMY1 Homo sapiens mRNA for c-myc binding

160033_s_at NM_006297 /FEATURE=mRNA /DEFINITION=Homo sapiens X-ray repair comple

5

METAGENE 370 :

- 31508_at Cluster Incl. S73591:brain-expressed HHCPA78 homolog [human, HL-60 acut
37416_at Cluster Incl. Z35227:H.sapiens TTF mRNA for small G protein /cds=(579,1
10 39297_at Cluster Incl. U38810:Human mab-21 cell fate-determining protein homolog
36867_at Cluster Incl. W03846:za60a02.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
38717_at Cluster Incl. AL050159:Homo sapiens mRNA; cDNA DKFZp586A0522 (from
clon
38968_at Cluster Incl. AB005047:Homo sapiens mRNA for SH3 binding protein, compl
15 40775_at Cluster Incl. AL021786:Human DNA sequence from PAC 696H22 on chromosome
32778_at Cluster Incl. D26070:Human mRNA for type 1 inositol 1,4,5-trisphosphate
32779_s_at Cluster Incl. U23850:Human inositol 1,4,5 trisphosphate receptor type
34363_at Cluster Incl. Z11793:H.sapiens mRNA for selenoprotein P /cds=(36,1181)
34877_at Cluster Incl. AL039831:DKFZp434D1112_s1 Homo sapiens cDNA, 3 end /clon
20 38737_at Cluster Incl. X57025:Human IGF-I mRNA for insulin-like growth factor I
1975_s_at X03563 /FEATURE=cds /DEFINITION=HSIGF1G1 Human gene for insulin-like
g
1625_at Insulin-Like Growth Factor Ib
1527_s_at U50527 /FEATURE= /DEFINITION=HSU50527 Human BRCA2 region, mRNA
25 sequenc
1501_at X57025 /FEATURE=mRNA /DEFINITION=HSIGFACI Human IGF-I mRNA for insulin-l
755_at D26070 /FEATURE=mRNA /DEFINITION=HUMINSP3R1 Human mRNA for type 1
inosito

30 METAGENE 371 :

- 35113_at Cluster Incl. X98332:H.sapiens mRNA for organic cation transporter, liv
35457_at Cluster Incl. U20325:Human cocaine and amphetamine regulated transcript
37444_at Cluster Incl. AF028827:Homo sapiens Tax interaction protein 40 mRNA, pa
35 36823_at Cluster Incl. AF055026:Homo sapiens clone 24444 RaP2 interacting protei
1514_g_at Antigen, Prostate Specific, Alt. Splice Form 3

METAGENE 372 :

	32441_at	Cluster Incl. X52142:Human mRNA for CTP synthetase (EC 6.3.4.2) /cds=(7
	36720_at	Cluster Incl. AA873266:oh68e03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	37432_g_at	Cluster Incl. AF077953:Homo sapiens protein inhibitor of activated ST
	39219_at	Cluster Incl. U20240:Human C/EBP gamma mRNA, complete cds /cds=(250,702
5	41057_at	Cluster Incl. AI760162:wg58e09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41450_at	Cluster Incl. AI553878:tn30a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41451_s_at	Cluster Incl. W28498:50e2 Homo sapiens cDNA /gb=W28498 /gi=1308653 /u
	31863_at	Cluster Incl. D80001:Human mRNA for KIAA0179 gene, partial cds /cds=(0,
	32069_at	Cluster Incl. AB014515:Homo sapiens mRNA for KIAA0615 protein, complete
10	33241_at	Cluster Incl. AB014526:Homo sapiens mRNA for KIAA0626 protein, complete
	33815_at	Cluster Incl. J03626:Human UMP synthase mRNA, complete cds
		/cds=UNKNOWN
	36046_at	Cluster Incl. AL050144:Homo sapiens mRNA; cDNA DKFZp586C1620 (from
		clon
15	36088_at	Cluster Incl. AJ006291:Homo sapiens mRNA for leucine rich protein /cds=
	36857_at	Cluster Incl. AF084513:Homo sapiens DNA repair exonuclease (REC1) mRNA,
	37907_at	Cluster Incl. M34677:Human nested gene protein gene, complete cds /cds=
	38328_at	Cluster Incl. H10201:ym02c07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	38967_at	Cluster Incl. AF054175:Homo sapiens mitochondrial proteolipid 68MP homo
20	39748_at	Cluster Incl. AL050021:Homo sapiens mRNA; cDNA DKFZp564D016 (from
		clone
	39791_at	Cluster Incl. M23114:Homo sapiens calcium-ATPase (HK1) mRNA, complete c
	40459_at	Cluster Incl. S69189:peroxisomal acyl-coenzyme A oxidase [human, liver,
	40490_at	Cluster Incl. U41387:Human Gu protein mRNA, partial cds /cds=(0,2405) /
25	41128_at	Cluster Incl. AF070537:Homo sapiens clone 24606 mRNA sequence /cds=UNKN
	41733_at	Cluster Incl. AC003007:Human Chromosome 16 BAC clone CIT987SK-A-61E3 /c
	41756_at	Cluster Incl. AJ010842:Homo sapiens mRNA for putative ATP(GTP)-binding
	35274_at	Cluster Incl. Y12226:H.sapiens mRNA for gamma-adaptin /cds=(28,2505) /g
	35750_at	Cluster Incl. AL049948:Homo sapiens mRNA; cDNA DKFZp564K0222 (from
30	clon	
	36190_at	Cluster Incl. M63256:Human major Yo paraneoplastic antigen (CDR2) mRNA,
	36610_at	Cluster Incl. D21852:Human mRNA for KIAA0029 gene, partial cds /cds=(38
	36932_at	Cluster Incl. D13636:Human mRNA for KIAA0011 gene, complete cds /cds=(3
	37293_at	Cluster Incl. D43948:Human mRNA for KIAA0097 gene, complete cds /cds=(4
35	37683_at	Cluster Incl. D80012:Human mRNA for KIAA0190 gene, partial cds /cds=(0,
	37726_at	Cluster Incl. X06323:Human MRL3 mRNA for ribosomal protein L3 homologue
	37737_at	Cluster Incl. D25547:Homo sapiens mRNA for PIMT isozyme I, complete cds
	38036_at	Cluster Incl. L35035:Homo sapiens ribose 5-phosphate isomerase (RPI) mR
	38097_at	Cluster Incl. AF010313:Homo sapiens Pig8 (PIG8) mRNA, complete cds /cds

- 38473_at Cluster Incl. M63180:Human threonyl-tRNA synthetase mRNA, complete cds
 40167_s_at Cluster Incl. AF038187:Homo sapiens clone 23714 mRNA sequence /cds=UN
 40537_at Cluster Incl. AB018284:Homo sapiens mRNA for KIAA0741 protein, complete
 40613_at Cluster Incl. AL031775:dJ30M3.2 (novel protein) /cds=(0,260) /gb=AL0317
5 40982_at Cluster Incl. AA926957:om68h06.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 32572_at Cluster Incl. X98296:H.sapiens mRNA for ubiquitin hydrolase /cds=(59,77
 32595_at Cluster Incl. U07231:Homo sapiens G-rich sequence factor-1 (GRSF-1) mRN
 33121_g_at Cluster Incl. AF045229:Homo sapiens regulator of G protein signaling
 1450_g_at D00763 /FEATURE= /DEFINITION=HUMPSC9 Human mRNA for proteasome
10 subunit

METAGENE 373 :

- 34443_at Cluster Incl. R61362:yh15c05.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
15 39641_at Cluster Incl. X52486:Human mRNA for uracil-DNA glycosylase /cds=(79,105
 40710_at Cluster Incl. D86322:Homo sapiens mRNA for calmeglin, complete cds /cds=
 41648_at Cluster Incl. X78706:H.sapiens mRNA for carnitine acetyltransferase /cd
 36876_at Cluster Incl. M55150:Human fumarylacetoacetate hydrolase mRNA, complete

20 METAGENE 374 :

- 40649_at Cluster Incl. X64810:H.sapiens encoding PC1/PC3 /cds=(189,2450) /gb=X64
 40746_at Cluster Incl. L20814:Human glutamate receptor 2 (HBGR2) mRNA, complete
 40764_at Cluster Incl. M22632:Human mitochondrial aspartate aminotransferase mRN
25 1554_f_at U22028 /FEATURE=expanded_cds /DEFINITION=HSU22028 Human
 cytochrome P45
 1555_f_at U22029 /FEATURE= /DEFINITION=HSU22029 Human cytochrome P450
 (CYP2A7) m
 1492_f_at M33317 /FEATURE=mRNA /DEFINITION=HUMCYIIA4A Human cytochrome
30 P450IIA4
 1494_f_at M33318 /FEATURE=mRNA /DEFINITION=HUMCPIIA3A Human cytochrome
 P450IIA3
 1371_s_at M29874 /FEATURE= /DEFINITION=HUMCYP2BB Human cytochrome P450-
 IIB (hIIB)
35 1338_s_at X13930 /FEATURE=cds /DEFINITION=HSCYP2A4 Human CYP2A4 mRNA for
 P-450 I

METAGENE 375 :

36941_at Cluster Incl. U16954:Human (AF1q) mRNA, complete cds /cds=(355,627) /gb
 566_at M79462 /FEATURE= /DEFINITION=HUMPML1 Human PML-1 mRNA, complete CDS

METAGENE 376 :

5

33648_at Cluster Incl. W28800:52g12 Homo sapiens cDNA /gb=W28800 /gi=1308811 /ug
 38157_at Cluster Incl. AF059252:Homo sapiens clone 1 HLA class III protein Dom3z
 37216_at Cluster Incl. AB023180:Homo sapiens mRNA for KIAA0963 protein, complete
 38257_at Cluster Incl. AF038406:Homo sapiens NADH dehydrogenase-ubiquinone Fe-S
 10 40421_at Cluster Incl. U49070:Human peptidyl-prolyl isomerase and essential mito
 36116_at Cluster Incl. AJ000414:Homo sapiens mRNA for Cdc42-interacting protein
 39532_at Cluster Incl. L36463:Homo sapiens ras interactor (RIN1) mRNA, complete
 40232_at Cluster Incl. U75370:Human mitochondrial RNA polymerase mRNA, nuclear g
 1778_g_at L36463 /FEATURE= /DEFINITION=HUMA Homo sapiens ras interactor (RIN1)

15

m
 1242_at U15655 /FEATURE= /DEFINITION=HSU15655 Human ets domain protein ERF mRNA,

METAGENE 377 :

20

33993_at Cluster Incl. M22919:Human nonmuscle/smooth muscle alkali myosin light
 34433_at Cluster Incl. AF035299:Homo sapiens clone 23863 mRNA, partial cds /cds=
 35401_s_at Cluster Incl. AB021225:Homo sapiens mRNA for membrane-type-4 matrix m
 40325_at Cluster Incl. AB014460:Homo sapiens TSC2, NTHL1/NTH1 and
 SLC9A3R2/E3KAR

25

41113_at Cluster Incl. AI871396:wl81f07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 41641_at Cluster Incl. AJ223603:Homo sapiens mRNA encoding rat C4.4-like protein
 35727_at Cluster Incl. AI249721:qj64d06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 38313_at Cluster Incl. AB028985:Homo sapiens mRNA for KIAA1062 protein, partial
 38348_at Cluster Incl. X95190:H.sapiens mRNA for Branched chain Acyl-CoA Oxidase

30

40120_at Cluster Incl. X90999:H.sapiens mRNA for Glyoxalase II /cds=(36,818) /gb
 40127_at Cluster Incl. M95929:Human homeobox protein (PHOX1) mRNA, 3 end /cds=(
 40825_at Cluster Incl. AB025186:Homo sapiens mRNA for EB3 protein, complete cds
 34345_at Cluster Incl. AF026031:Homo sapiens putative mitochondrial outer membra
 35742_at Cluster Incl. U95740:Human Chromosome 16 BAC clone CIT987SK-A-362G6 /cd

35

36126_at Cluster Incl. U18919:Human chromosome 17q12-21 mRNA, clone pOV-2, parti
 36127_g_at Cluster Incl. U18919:Human chromosome 17q12-21 mRNA, clone pOV-2, par
 37369_s_at Cluster Incl. L41066:Homo sapiens NF-AT3 mRNA, complete cds /cds=(141
 37370_i_at Cluster Incl. L41066:Homo sapiens NF-AT3 mRNA, complete cds /cds=(141
 38397_at Cluster Incl. U09196:Human 1.1 kb mRNA upregulated in retinoic acid tre

- 38423_at Cluster Incl. L38935:Homo sapiens GT212 mRNA /cds=UNKNOWN /gb=L38935 /g
- 40193_at Cluster Incl. X51956:Human ENO2 gene for neuron specific (gamma) enolas
- 1087_at M60459 /FEATURE= /DEFINITION=HUMERYTH Human erythropoietin receptor mRNA
- 5 745_at D50495 /FEATURE=mRNA /DEFINITION=HUMTEF Homo sapiens mRNA for transcripti
- 249_at L41066 /FEATURE= /DEFINITION=HUMNFAT3A Homo sapiens NF-AT3 mRNA, complete
- 141_s_at U75276 /FEATURE= /DEFINITION=HSU75276 Human TFIIB related factor
- 10 hBRF (
- METAGENE 378 :
- 31609_s_at Cluster Incl. L33799:Human procollagen C-proteinase enhancer protein
- 15 36799_at Cluster Incl. L37882:Human frizzled gene product mRNA, complete cds /cd
- 37147_at Cluster Incl. AF020044:Homo sapiens lymphocyte secreted C-type lectin p
- 39640_at Cluster Incl. AB016789:Homo sapiens mRNA for Glutamine-fructose-6-phosp
- 32138_at Cluster Incl. L07807:Human dynamin mRNA, alternative exons and complete
- 36811_at Cluster Incl. U24389:Human lysyl oxidase-like protein gene /cds=(446,21
- 20 36861_at Cluster Incl. AL049946:Homo sapiens mRNA; cDNA DKFZp564I1922 (from clon
- 37248_at Cluster Incl. U83411:Homo sapiens carboxypeptidase Z precursor, mRNA, c
- 37573_at Cluster Incl. AF007150:Homo sapiens clone 23767 and 23782 mRNA sequence
- 38338_at Cluster Incl. AI201108:qf69g07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 38636_at Cluster Incl. AB003184:Homo sapiens mRNA for ISLR, complete cds /cds=(9
- 25 38722_at Cluster Incl. X15880:Human mRNA for collagen VI alpha-1 C-terminal glob
- 39069_at Cluster Incl. AF053944:Homo sapiens aortic carboxypeptidase-like protei
- 39327_at Cluster Incl. D86983:Human mRNA for KIAA0230 gene, partial cds /cds=(0,
- 39407_at Cluster Incl. M22488:Human bone morphogenetic protein 1 (BMP-1) mRNA /c
- 39710_at Cluster Incl. U30521:Human P311 HUM (3.1) mRNA, complete cds /cds=(202,
- 30 39753_at Cluster Incl. X06256:Human mRNA for integrin alpha 5 subunit /cds=(23,3
- 40161_at Cluster Incl. L32137:Human germline oligomeric matrix protein (COMP) mR
- 40162_s_at Cluster Incl. AC003107:Human DNA from chromosome 19-specific cosmid R
- 40848_g_at Cluster Incl. AB018293:Homo sapiens mRNA for KIAA0750 protein, comple
- 41138_at Cluster Incl. M16279:Human MIC2 mRNA, complete cds /cds=(177,734) /gb=M
- 35 32783_at Cluster Incl. X82494:H.sapiens mRNA for fibulin-2 /cds=(69,3623) /gb=X8
- 33412_at Cluster Incl. AI535946:vicpro2.D07.r Homo sapiens cDNA, 5 end /clone_e
- 33910_at Cluster Incl. AL049338:Homo sapiens mRNA; cDNA DKFZp564P116 (from clone
- 33919_at Cluster Incl. AF022813:Homo sapiens tetraspan (NAG-2) mRNA, complete cd

- 34802_at Cluster Incl. X15882:Human mRNA for collagen VI alpha-2 C-terminal glob
 35347_at Cluster Incl. AF093119:Homo sapiens UPH1 (UPH1) mRNA, complete cds /cds
 35740_at Cluster Incl. AL050138:Homo sapiens mRNA; cDNA DKFZp586M121 (from
 clone
5 36149_at Cluster Incl. D78014:Homo sapiens mRNA for dihydropyrimidinase related
 36993_at Cluster Incl. M33210:Human colony stimulating factor 1 receptor (CSF1R)
 37005_at Cluster Incl. D28124:Human mRNA for unknown product, complete cds /cds=
 37032_at Cluster Incl. U08021:Human nicotinamide N-methyltransferase (NNMT) mRNA
 37408_at Cluster Incl. AB014609:Homo sapiens mRNA for KIAA0709 protein, complete
10 38126_at Cluster Incl. J04599:Human hPGI mRNA encoding bone small proteoglycan I
 38442_at Cluster Incl. U19718:Human microfibril-associated glycoprotein (MFAP2)
 38775_at Cluster Incl. X13916:Human mRNA for LDL-receptor related protein /cds=(
 39542_at Cluster Incl. AF059611:Homo sapiens nuclear matrix protein NRP/B (NRPB)
 2088_s_at D31661 /FEATURE= /DEFINITION=HUMERKA Human mRNA for tyrosine
15 kinase, c
 1771_s_at J03278 /FEATURE= /DEFINITION=HUMPDGFRA Human platelet-derived
 growth f
 1233_s_at M76125 /FEATURE= /DEFINITION=HUMTYRKINR Human tyrosine kinase
 receptor
20 628_at L37882 /FEATURE= /DEFINITION=HUMFRIZ Human frizzled gene product mRNA, co
 212_at M97639 /FEATURE= /DEFINITION=HUMROR2A Human transmembrane receptor (ror2)
 METAGENE 379 :
25 32880_at Cluster Incl. AW015055:UI-H-BI0-aal-c-01-0-UI.s1 Homo sapiens cDNA, 3
 METAGENE 380 :
 32480_at Cluster Incl. X07495:Human mRNA for cp19 homeobox from HOX-3 locus /cds
30 39294_at Cluster Incl. X16155:Human mRNA for chicken ovalbumin upstream promoter
 37552_at Cluster Incl. U33632:Human two P-domain K⁺ channel TWIK-1 mRNA, complet
 36202_at Cluster Incl. S76965:protein kinase inhibitor [human, neuroblastoma cel
 1368_at M27492 /FEATURE= /DEFINITION=HUMIL1RA Human interleukin 1 receptor mRNA,
 1147_at V-Erba Related Ear-3 Protein
35 METAGENE 381 :
 31575_f_at Cluster Incl. M14087:Human HL14 gene encoding beta-galactoside-bindin

- 36743_at Cluster Incl. AL096739:Homo sapiens mRNA; cDNA DKFZp586H0623 (from
clon
- 34371_at Cluster Incl. U79267:Human clone 23840 mRNA, partial cds /cds=(0,521) /
- 38428_at Cluster Incl. M13509:Human skin collagenase mRNA, complete cds /cds=(68
- 5** 483_g_at U59289 /FEATURE= /DEFINITION=HSU59289 Human H-cadherin mRNA,
complete c

METAGENE 382 :

- 10** 39268_at Cluster Incl. AF033382:Homo sapiens potassium channel mRNA, complete cd
- 40677_at Cluster Incl. AF054984:Homo sapiens clone 23709 mRNA sequence /cds=UNKN
- 41440_at Cluster Incl. D82061:Homo sapiens mRNA for a member of the short-chain
- 41475_at Cluster Incl. U91512:Human adhesion molecule ninjurin mRNA, complete cd
- 33783_at Cluster Incl. AB007867:Homo sapiens KIAA0407 mRNA, complete cds /cds=(2
- 15** 34656_at Cluster Incl. X82895:H.sapiens mRNA for DLG2 /cds=(87,1817) /gb=X82895
- 35704_at Cluster Incl. X92814:H.sapiens mRNA for rat HREV107-like protein /cds=(
- 37602_at Cluster Incl. Z49878:H.sapiens mRNA for guanidinoacetate N-methyltransf
- 37982_at Cluster Incl. Z25821:H.sapiens gene for mitochondrial dodecenoyl-CoA de
- 39363_at Cluster Incl. AF042384:Homo sapiens BC-2 protein mRNA, complete cds /cd
- 20** 40093_at Cluster Incl. X83425:H.sapiens LU gene for Lutheran blood group glycopr
- 40497_at Cluster Incl. AF040707:Homo sapiens candidate tumor suppressor gene 21
- 32156_at Cluster Incl. AF044968:untitled /cds=(0,1351) /gb=AF044968 /gi=3941380
- 35781_g_at Cluster Incl. AF035292:Homo sapiens clone 23584 mRNA sequence /cds=UN
- 40899_at Cluster Incl. Y00503:Human mRNA for keratin 19 /cds=(32,1234) /gb=Y0050
- 25** 41349_at Cluster Incl. L43964:Homo sapiens (clone F-T03796) STM-2 mRNA, complete
- 33118_at Cluster Incl. U73167:Homo sapiens cosmid clone LUCA14 from 3p21.3 /cds=
- 33155_at Cluster Incl. M95740:Human alpha-L-iduronidase gene /cds=(0,1961) /gb=M
- 1337_s_at X06614 /FEATURE=cds /DEFINITION=HSRRA Human mRNA for receptor of
retin
- 30** 885_g_at M59911 /FEATURE= /DEFINITION=HUMINTA3A Human integrin alpha-3
chain mRN
- 387_at X80230 /FEATURE=mRNA /DEFINITION=HSSTPKC2K H.sapiens mRNA (clone C-2k)
mR
- 342_at D12485 /FEATURE= /DEFINITION=HUMNPP Human mRNA for nucleotide
- 35** pyrophospha
- 197_at U29656 /FEATURE= /DEFINITION=HSU29656 Human DR-nm23 mRNA, complete cds
- 198_g_at U29656 /FEATURE= /DEFINITION=HSU29656 Human DR-nm23 mRNA,
complete cds

METAGENE 383 :

31891_at Cluster Incl. U58515:Human chitinase (HUMTCHIT) mRNA, exon 1b form, par
 38278_at Cluster Incl. M62324:Human modulator recognition factor I (MRF-1) mRNA,

5

METAGENE 384 :

38353_at Cluster Incl. AF042378:Homo sapiens spindle pole body protein spc98 hom
 32821_at Cluster Incl. AI762213:wi54d04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 10 35780_at Cluster Incl. AF035292:Homo sapiens clone 23584 mRNA sequence /cds=UNKN

METAGENE 385 :

36238_at Cluster Incl. Y11284:Homo sapiens AFX1 gene, exon 1 (and joined CDS) /c
 15 33325_at Cluster Incl. W26667:11a1 Homo sapiens cDNA /gb=W26667 /gi=1305733 /ug=
 35266_at Cluster Incl. AL049288:Homo sapiens mRNA; cDNA DKFZp564M053 (from
 clone
 35824_at Cluster Incl. AJ223321:Homo sapiens RP58 gene, complete CDS /cds=(523,2
 38104_at Cluster Incl. U78302:Human 2,4-dienoyl-CoA reductase gene /cds=(73,1080

20

METAGENE 386 :

38237_at Cluster Incl. M64099:Human gamma-glutmyl transpeptidase-related protein
 35219_at Cluster Incl. AL050202:Homo sapiens mRNA; cDNA DKFZp586E2023 (from
 25 clon
 39395_at Cluster Incl. AA704137:ag47g01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 39700_at Cluster Incl. AI961929:wt39g02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 1563_s_at M58286 /FEATURE= /DEFINITION=HUMTNFRB Homo sapiens tumor necrosis
 fact
 30 160020_at Z48481 /FEATURE=cds /DEFINITION=HSMMPM1 H.sapiens mRNA for
 membrane-ty

METAGENE 387 :

35 31510_s_at Cluster Incl. Z48950:H.sapiens hH3.3B gene for histone H3.3 /cds=(10,
 34647_at Cluster Incl. X52104:Human mRNA for p68 protein /cds=(175,2019) /gb=X52
 36427_at Cluster Incl. W27129:22g8 Homo sapiens cDNA /gb=W27129 /gi=1306663 /ug=
 37107_at Cluster Incl. U78305:Homo sapiens protein phosphatase Wip1 mRNA, comple
 38171_at Cluster Incl. U94747:Human WD repeat protein HAN11 mRNA, complete cds /

- 40724_at Cluster Incl. Y14443:Homo sapiens mRNA for zinc finger protein /cds=(33
 41625_at Cluster Incl. AB011165:Homo sapiens mRNA for KIAA0593 protein, partial
 35618_at Cluster Incl. D29677:Human mRNA for KIAA0054 gene, complete cds /cds=(1
 41159_at Cluster Incl. D21260:Human mRNA for KIAA0034 gene, complete cds /cds=(1
5 41768_at Cluster Incl. M33336:Human cAMP-dependent protein kinase type I-alpha s
 34397_at Cluster Incl. AF069250:Homo sapiens okadaic acid-inducible phosphoprote
 34885_at Cluster Incl. AJ002308:Homo sapiens mRNA for synaptogyrin 2 /cds=(29,70
 40229_at Cluster Incl. AJ010071:Homo sapiens for TOM1-like protein /cds=(30,1460
 40631_at Cluster Incl. D38305:Human mRNA for Tob, complete cds /cds=(43,1080) /g
10 2037_s_at M60725 /FEATURE= /DEFINITION=HUMP70S6KB Human p70 ribosomal S6
 kinase
 1192_at AB003103 /FEATURE= /DEFINITION=AB003103 Homo sapiens mRNA for 26S protea
- METAGENE 388 :
- 15**
- 33988_at Cluster Incl. X75861:H.sapiens TEGT gene /cds=(40,753) /gb=X75861 /gi=4
 35450_s_at Cluster Incl. AF015553:Homo sapiens TFII-I protein (TFII-I) mRNA, com
 31898_at Cluster Incl. D86967:Human mRNA for KIAA0212 gene, complete cds /cds=(5
 34718_at Cluster Incl. X04434:Human mRNA for insulin-like growth factor I recept
20 38984_at Cluster Incl. AB007896:Homo sapiens KIAA0436 mRNA, partial cds /cds=(0,
 39364_s_at Cluster Incl. Y18207:Homo sapiens mRNA for protein phosphatase 1 (PPP
 40411_at Cluster Incl. D80003:Human mRNA for KIAA0181 gene, partial cds /cds=(0,
 41127_at Cluster Incl. L14595:Human alanine/serine/cysteine/threonine transporte
 32741_at Cluster Incl. X77723:H.sapiens mRNA for unknown protein of uterine endo
25 36211_at Cluster Incl. D87461:Human mRNA for KIAA0271 gene, complete cds /cds=(1
 41543_at Cluster Incl. U34360:Human lymphoid nuclear protein (LAF-4) mRNA, compl
 2018_at M65188 /FEATURE= /DEFINITION=HUMCX43 Human connexin 43 (GJA1, Cx43)
 mRNA
 1893_s_at Estrogen Receptor
30 1681_at X03635 /FEATURE=cds /DEFINITION=HSERR Human mRNA for oestrogen receptor
 1472_g_at U22376 /FEATURE=cds#1 /DEFINITION=HSU22376 Human (c-myb) gene,
 complet
 1473_s_at U22376 /FEATURE=cds#2 /DEFINITION=HSU22376 Human (c-myb) gene,
 complet
35 1474_s_at U22376 /FEATURE=cds#3 /DEFINITION=HSU22376 Human (c-myb) gene,
 complet
 1475_s_at U22376 /FEATURE=cds#4 /DEFINITION=HSU22376 Human (c-myb) gene,
 complet

- 1476_s_at U22376 /FEATURE=cds#5 /DEFINITION=HSU22376 Human (c-myb) gene, complet
- 1335_at X04434 /FEATURE=cds /DEFINITION=HSIGFIRR Human mRNA for insulin-like gro
- 368_at Z29083 /FEATURE=cds /DEFINITION=HS5T4OA H.sapiens 5T4 gene for 5T4 Oncofe
- 5** 343_s_at D12485 /FEATURE=cds#1 /DEFINITION=HUMNPP Human mRNA for nucleotide pyro

METAGENE 389 :

- 10** 32430_at Cluster Incl. M73481:Human gastrin releasing peptide receptor (GRPR) mR
- 37142_at Cluster Incl. AF038421:Homo sapiens GPI-linked anchor protein (GFRA1) m
- 38875_r_at Cluster Incl. AB011147:Homo sapiens mRNA for KIAA0575 protein, comple
- 39616_at Cluster Incl. AL050227:Homo sapiens mRNA; cDNA DKFZp586M0723 (from clon
- 15** 39642_at Cluster Incl. AL080199:Homo sapiens mRNA; cDNA DKFZp434E082 (from clone
- 41048_at Cluster Incl. D90070:Human ATL-derived PMA-responsive (APR) peptide mRN
- 32027_at Cluster Incl. AF012281:Homo sapiens PDZ domain containing-protein (PDZK
- 32043_at Cluster Incl. AF098462:Homo sapiens stanniocalcin-related protein mRNA,
- 20** 32686_at Cluster Incl. D86096:Human DNA for prostaglandin E receptor EP3 subtype
- 33799_at Cluster Incl. U76248:Human hSLAH2 mRNA, complete cds /cds=(526,1500) /g
- 33800_at Cluster Incl. AF036927:Homo sapiens adenylyl cyclase type IX mRNA, comp
- 34678_at Cluster Incl. AL096713:Homo sapiens mRNA; cDNA DKFZp564E1616 (from clon
- 25** 37273_at Cluster Incl. AF007153:Homo sapiens clone 23736 mRNA sequence /cds=UNKN
- 37638_at Cluster Incl. D50857:Human DOCK180 protein mRNA, complete cds /cds=(23,
- 37902_at Cluster Incl. L13278:Homo sapiens zeta-crystallin/quinone reductase mRN
- 38254_at Cluster Incl. AB020689:Homo sapiens mRNA for KIAA0882 protein, partial
- 39055_at Cluster Incl. M32886:Human sorcin CP-22 mRNA, complete cds /cds=(12,608
- 30** 39714_at Cluster Incl. AF042081:Homo sapiens SH3 domain binding glutamic acid-ri
- 40088_at Cluster Incl. X84373:H.sapiens mRNA for nuclear factor RIP140 /cds=(287
- 40790_at Cluster Incl. AB004066:Homo sapiens mRNA for DEC1, complete cds /cds=(1
- 33405_at Cluster Incl. N90755:zb22c08.s1 Homo sapiens cDNA, 3' end /clone=IMAGE-
- 33821_at Cluster Incl. AL034374:Human DNA sequence from clone 483K16 on chromoso
- 35** 34785_at Cluster Incl. AB028948:Homo sapiens mRNA for KIAA1025 protein, partial
- 35356_at Cluster Incl. W21884:58c2 Homo sapiens cDNA /clone=(not-directional) /g
- 35371_at Cluster Incl. M83822:Human beige-like protein (BGL) mRNA, partial cds /
- 35842_at Cluster Incl. AL049265:Homo sapiens mRNA; cDNA DKFZp564F053 (from clone

- 36634_at Cluster Incl. U72649:Human BTG2 (BTG2) mRNA, complete cds /cds=(71,547)
- 37027_at Cluster Incl. M80899:Human novel protein AHNAK mRNA, partial sequence /
- 37038_at Cluster Incl. X83467:H.sapiens PXMP1 gene, exon 1 (and joined CDS) /cds
- 38078_at Cluster Incl. AF042166:Homo sapiens beta-filamin mRNA, complete cds /cd
- 5 38415_at Cluster Incl. U14603:Human protein-tyrosine phosphatase (HU-PP-1) mRNA,
- 40220_at Cluster Incl. AB021179:Homo sapiens mRNA for HEXIM1 protein, complete c
- 32510_at Cluster Incl. AF026947:Homo sapiens aflatoxin aldehyde reductase AFAR m
- 2042_s_at M15024 /FEATURE= /DEFINITION=HUMCMYBLA Human c-myb mRNA, complete cds
- 10 1909_at M14745 /FEATURE= /DEFINITION=HUMBCL2C Human bcl-2 mRNA
- 1798_at U41060 /FEATURE= /DEFINITION=HSU41060 Human breast cancer, estrogen regu
- 376_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for semaphorin
- 377_g_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for semaphori
- 15 310_s_at J03778 /FEATURE= /DEFINITION=HUMTAUA Human microtubule-associated prote

METAGENE 390 :

- 20 38211_at Cluster Incl. AL050276:Homo sapiens mRNA; cDNA DKFZp566F123 (from clone
- 35622_at Cluster Incl. AB001451:Homo sapiens mRNA for Sck, partial cds /cds=(0,1
- 36892_at Cluster Incl. AF032108:Homo sapiens integrin alpha-7 mRNA, complete cds
- 39350_at Cluster Incl. U50410:Human heparan sulphate proteoglycan (OCI5) mRNA, c
- 25 39430_at Cluster Incl. AF082557:Homo sapiens TRF1-interacting ankyrin-related AD
- 41137_at Cluster Incl. AB007972:Homo sapiens mRNA, chromosome 1 specific transcr
- 33916_at Cluster Incl. AB023192:Homo sapiens mRNA for KIAA0975 protein, partial
- 37407_s_at Cluster Incl. AF013570:Homo sapiens smooth muscle myosin heavy chain
- 38408_at Cluster Incl. L10373:Human (clone CCG-B7) mRNA sequence /cds=UNKNOWN
- 30 /g
- 39545_at Cluster Incl. U22398:Human Cdk-inhibitor p57KIP2 (KIP2) mRNA, complete
- 32582_at Cluster Incl. AF001548:Human Chromosome 16 BAC clone CIT987SK-A-815A9 /
- 767_at AF001548 /FEATURE=mRNA /DEFINITION=HUA001548 Human Chromosome 16 BAC clo
- 35 774_g_at D10667 /FEATURE= /DEFINITION=HUMMHCAAA Homo sapiens mRNA for smooth mus

METAGENE 391 :

- 40647_at Cluster Incl. Z32684:Homo sapiens mRNA for membrane transport protein (
- 40478_at Cluster Incl. AL021396:Human DNA sequence from clone 971N18 on chromoso
- 34886_at Cluster Incl. L02320:Human radixin mRNA, complete cds /cds=(30,1781) /g
- 1733_at M60315 /FEATURE= /DEFINITION=HUMTGFBC Human transforming growth factor-b
- 5**
- METAGENE 392 :
- 37109_at Cluster Incl. M55671:Human protein Z (plus 66 bp insertion) mRNA, compl
- 36108_at Cluster Incl. M16276:Human MHC class II HLA-DR2-Dw12 mRNA DQw1-beta,
- 10**
- co
- METAGENE 393 :
- 35061_at Cluster Incl. AF030514:Homo sapiens interferon stimulated T-cell alpha
- 15**
- 37126_at Cluster Incl. M62800:Human 52-kD SS-A/Ro autoantigen mRNA, complete cds
- 37168_at Cluster Incl. AB013924:Homo sapiens mRNA for TSC403 protein, complete c
- 37420_i_at Cluster Incl. AL022723:dJ377H14.9 (major histocompatibility complex,
- 39988_at Cluster Incl. M74447:Human PSF-2 mRNA, complete cds /cds=(96,2207) /gb=
- 33304_at Cluster Incl. U88964:Human HEM45 mRNA, complete cds /cds=(37,582) /gb=U
- 20**
- 36472_at Cluster Incl. U32849:Homo sapiens Nmi mRNA, complete cds /cds=(280,1203
- 36825_at Cluster Incl. X82200:H.sapiens Staf50 mRNA /cds=(122,1450) /gb=X82200 /
- 37219_at Cluster Incl. X72755:H.sapiens Humig mRNA /cds=(39,416) /gb=X72755 /gi=
- 37944_at Cluster Incl. U19523:Human GTP cyclohydrolase I mRNA, complete cds /cds
- 38287_at Cluster Incl. AA808961:nw16h03.s1 Homo sapiens cDNA /clone=IMAGE-124066
- 25**
- 40153_at Cluster Incl. X57522:H.sapiens RING4 cDNA /cds=(30,2456) /gb=X57522 /gi
- 41171_at Cluster Incl. D45248:Human mRNA for proteasome activator hPA28 subunit
- 41237_at Cluster Incl. D32129:Human mRNA for HLA class-I (HLA-A26) heavy chain,
- 32859_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, com
- 32860_g_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, c
- 30**
- 33338_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence /c
- 33339_g_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence
- 35735_at Cluster Incl. M55542:Human guanylate binding protein isoform I (GBP-2)
- 37352_at Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complete
- 38759_at Cluster Incl. U97502:Homo sapiens butyrophilin (BT3.3) gene /cds=(73,22
- 35**
- 38760_f_at Cluster Incl. U90546:Human butyrophilin (BTF4) mRNA, complete cds /cd
- 1184_at D45248 /FEATURE= /DEFINITION=HUMHPA28A Human mRNA for proteasome activa
- 1021_at J00219 /FEATURE=mRNA /DEFINITION=HUMIFNG Human immune interferon (IFN-ga

669_s_at L05072 /FEATURE=expanded_cds /DEFINITION=HUMIFNRF1A Homo sapiens
interfe
495_at U31628 /FEATURE= /DEFINITION=HSU31628 Human interleukin-15 receptor alpha
431_at X02530 /FEATURE=cds /DEFINITION=HSINFGER Human mRNA for gamma-interferon

5

METAGENE 394 :

31438_s_at Cluster Incl. Z22971:H.sapiens mRNA for M130 antigen extracellular va
33641_g_at Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /c
10 35012_at Cluster Incl. M81750:H.sapiens myeloid cell nuclear differentiation ant
36795_at Cluster Incl. J03077:Human co-beta glucosidase (proactivator) mRNA, com
37099_at Cluster Incl. AI806222:wf26e10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
38533_s_at Cluster Incl. J03925:Human Mac-1 gene encoding complement receptor ty
40742_at Cluster Incl. M16591:Human hemopoietic cell protein-tyrosine kinase (HC
15 33731_at Cluster Incl. AJ130718:Homo sapiens mRNA for glycoprotein-associated am
33777_at Cluster Incl. D34625:Human TBXAS1 gene for thromboxane synthase, promot
36908_at Cluster Incl. M93221:Human macrophage mannose receptor (MRC1) gene /c
38323_at Cluster Incl. AC005162:Homo sapiens BAC clone RG113D17 from 7p14-p15 /c
39760_at Cluster Incl. AL031781:dJ51J12.1.3 (human ortholog of mouse KH Domain R
20 32207_at Cluster Incl. M64925:Human palmitoylated erythrocyte membrane protein (
32824_at Cluster Incl. AF039704:Homo sapiens lysosomal pepstatin insensitive pro
34830_at Cluster Incl. W25986:17e7 Homo sapiens cDNA /gb=W25986 /gi=1306253 /ug=
36661_s_at Cluster Incl. X06882:Human gene for CD14 differentiation antigen /c
37011_at Cluster Incl. U49392:Human allograft inflammatory factor-1 (AIF-1) mRNA
25 37015_at Cluster Incl. K03000:Human aldehyde dehydrogenase 1 mRNA /c
37684_at Cluster Incl. AB020687:Homo sapiens mRNA for KIAA0880 protein, complete
317_at D55696 /FEATURE= /DEFINITION=D55696 Homo sapiens mRNA for cysteine protea

METAGENE 395 :

30

32904_at Cluster Incl. M28393:Human perforin mRNA, complete cds /c
34974_at Cluster Incl. Y13323:Homo sapiens mRNA for disintegrin-protease /c
35957_at Cluster Incl. AF030196:Homo sapiens stannin mRNA, complete cds /c
36776_at Cluster Incl. X51985:Human LAG-3 mRNA for CD4-related protein involved
35 37145_at Cluster Incl. M85276:Homo sapiens NKG5 gene, complete cds /c
39239_at Cluster Incl. X13444:Human mRNA for CD8 beta-chain glycoprotein (CD8 be
40323_at Cluster Incl. D84276:Homo sapiens mRNA for CD38, complete cds /c
41433_at Cluster Incl. M73255:Human vascular cell adhesion molecule-1 (VCAM1) ge

- 33812_at Cluster Incl. AL049415:Homo sapiens mRNA; cDNA DKFZp586N2119 (from
clon
- 37960_at Cluster Incl. AB014679:Homo sapiens GN6ST mRNA for N-acetylglucosamine-
- 40049_at Cluster Incl. X76104:H.sapiens DAP-kinase mRNA /cds=(336,4631) /gb=X761
- 5** 36203_at Cluster Incl. X16277:Human gene for ornithine decarboxylase ODC (EC 4.1
- 36675_r_at Cluster Incl. J03191:Human profilin mRNA, complete cds /cds=(127,549)
- 38121_at Cluster Incl. X59892:H.sapiens mRNA for IFN-inducible gamma2 protein /c
- 41585_at Cluster Incl. AB018289:Homo sapiens mRNA for KIAA0746 protein, partial
- 41592_at Cluster Incl. AB000734:Homo sapiens mRNA for TIP3, complete cds /cds=(1
- 10** 2002_s_at U27467 /FEATURE= /DEFINITION=HSU27467 Human Bcl-2 related (Bfl-1)
mRNA
- 1081_at M33764 /FEATURE=cds /DEFINITION=HUMSODB Human ornithine decarboxylase ge
- 907_at M13792 /FEATURE=cds /DEFINITION=HUMADAG Human adenosine deaminase
(ADA) g
- 15** 880_at M34539 /FEATURE= /DEFINITION=HUMFKBP Human FK506-binding protein (FKBP)
m
- 583_s_at M30257 /FEATURE= /DEFINITION=HUMCAM1V Human vascular cell
adhesion mole
- 288_s_at L25931 /FEATURE= /DEFINITION=HUMLBR Human lamin B receptor (LBR)
- 20** mRNA,
- 133_at X87212 /FEATURE=cds /DEFINITION=HSCATHCGE H.sapiens mRNA for cathepsin C
- METAGENE 396 :
- 25** 39248_at Cluster Incl. N74607:za55a01.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 39249_at Cluster Incl. AB001325:Human AQP3 gene for aquaporine 3 (water channel)
- 36906_at Cluster Incl. U73304:Human CB1 cannabinoid receptor (CNR1) gene, comple
- METAGENE 397 :
- 30**
- 32488_at Cluster Incl. X14420:Human mRNA for pro-alpha-1 type 3 collagen /cds=(1
- 34091_s_at Cluster Incl. Z19554:H.sapiens vimentin gene /cds=(122,1522) /gb=Z195
- 32305_at Cluster Incl. J03464:Human collagen alpha-2 type I mRNA, complete cds,
- 32307_s_at Cluster Incl. V00503:Human mRNA encoding Pro-alpha-2 chain of type I
- 35** 34985_at Cluster Incl. AF035408:Homo sapiens cartilage intermediate layer protei
- 39674_r_at Cluster Incl. AB011792:Homo sapiens mRNA for extracellular matrix pro
- 41405_at Cluster Incl. AF026692:Homo sapiens frizzled related protein frpHE mRNA
- 31897_at Cluster Incl. U53445:Human ovarian cancer downregulated myosin heavy ch

	36007_at	Cluster Incl. AL050137:Homo sapiens mRNA; cDNA DKFZp586L151 (from clone
	37283_at	Cluster Incl. X82209:H.sapiens MN1 mRNA /cds=(887,4915) /gb=X82209 /gi=
	37565_at	Cluster Incl. X85750:H.sapiens mRNA for transcript associated with mono
5	40051_at	Cluster Incl. D31762:Human mRNA for KIAA0057 gene, complete cds /cds=(7
	41191_at	Cluster Incl. AB023209:Homo sapiens mRNA for KIAA0992 protein, partial
	33440_at	Cluster Incl. U19969:Human two-handed zinc finger protein ZEB mRNA, par
	35366_at	Cluster Incl. M30269:Human nidogen mRNA, complete cds /cds=(90,3833) /g
	36142_at	Cluster Incl. X79204:H.sapiens SCA1 mRNA for ataxin /cds=(935,3385) /gb
10	36638_at	Cluster Incl. X78947:H.sapiens mRNA for connective tissue growth factor
	36976_at	Cluster Incl. D21255:Human mRNA for OB-cadherin-2, complete cds /cds=(4
	37671_at	Cluster Incl. S78569:laminin alpha 4 chain [human, fetal lung, mRNA, 62
	38026_at	Cluster Incl. U01244:Human fibulin-1D mRNA, complete cds /cds=(10,2121)
	38038_at	Cluster Incl. U21128:Human lumican mRNA, complete cds /cds=(84,1100) /g
15	38052_at	Cluster Incl. M14539:Human factor XIII subunit a mRNA, 3 end /cds=(0,2
	38077_at	Cluster Incl. X52022:H.sapiens RNA for type VI collagen alpha3 chain /c
	38111_at	Cluster Incl. X15998:H.sapiens mRNA for the chondroitin sulphate proteo
	38112_g_at	Cluster Incl. X15998:H.sapiens mRNA for the chondroitin sulphate prot
	38427_at	Cluster Incl. L25286:Homo sapiens alpha-1 type XV collagen mRNA, comple
20	38433_at	Cluster Incl. M76125:Human tyrosine kinase receptor (axl) mRNA, complet
	38466_at	Cluster Incl. X82153:H.sapiens mRNA for cathepsin O /cds=(129,1118) /gb
	41839_at	Cluster Incl. L13698:Human gas1 gene, complete cds /cds=(410,1447) /gb=
	32535_at	Cluster Incl. X63556:H.sapiens mRNA for fibrillin /cds=(0,9010) /gb=X63
	2087_s_at	D21254 /FEATURE= /DEFINITION=HUMOSF4A Human mRNA for OB-
25	cadherin-1, co	
	1761_at	D37965 /FEATURE= /DEFINITION=HUMPRLTS Human mRNA for PDGF receptor
	beta-	
	1731_at	M21574 /FEATURE=mRNA /DEFINITION=HUMPDGFRAA Human platelet-derived
	growt	
30	1451_s_at	D13666 /FEATURE= /DEFINITION=HUMOSF2OS Homo sapiens osf-2 mRNA
	for ost	
	1278_at	Tyrosine Kinase, Receptor Ax1, Alt. Splice 2
	753_at	D86425 /FEATURE= /DEFINITION=D86425 Homo sapiens mRNA for osteonidogen, c
	718_at	D87258 /FEATURE= /DEFINITION=D87258 Homo sapiens mRNA for serin protease
35	671_at	J03040 /FEATURE= /DEFINITION=HUMSPARC Human SPARC/osteonectin mRNA,
	compl	
	661_at	L13698 /FEATURE= /DEFINITION=HUMGAS1A Human gas1 gene, complete cds
	581_at	M61916 /FEATURE= /DEFINITION=HUMLAM101 Human laminin B1 chain mRNA,
	compl	

232_at M55210 /FEATURE=mRNA#1 /DEFINITION=HUMLB2A26 Human laminin B2 chain gene,

METAGENE 398 :

5

- 35858_at Cluster Incl. AA996066:os33d01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 35955_at Cluster Incl. S80864:cytochrome c-like polypeptide [human, lung adenoca
 39323_at Cluster Incl. U45974:Human phosphatidylinositol (4,5) bisphosphate 5-ph
 34702_f_at Cluster Incl. M27826:Human endogenous retroviral protease mRNA, compl
 10 34703_f_at Cluster Incl. AA151971:zo30b03.r1 Homo sapiens cDNA, 5 end /clone=IM
 40050_at Cluster Incl. AF069747:Homo sapiens MTG8-like protein MTGR1a mRNA, comp
 40428_i_at Cluster Incl. AW043812:wy81b07.x1 Homo sapiens cDNA, 3 end /clone=IM

METAGENE 399 :

15

- 35484_at Cluster Incl. U95737:Human Chromosome 16 BAC clone CIT987SK-A-388D4 /cd
 36173_r_at Cluster Incl. AF002163:Homo sapiens delta-adaptin mRNA, complete cds
 2023_g_at M77198 /FEATURE= /DEFINITION=HUMRPKB Human rac protein kinase beta
 mRN

20

METAGENE 400 :

- 37426_at Cluster Incl. U80736:Homo sapiens CAGF9 mRNA, partial cds /cds=(0,995)
 38223_at Cluster Incl. AB024057:Homo sapiens mRNA for vascular Rab-GAP/TBC-conta
 25 41094_at Cluster Incl. Y10179:H.sapiens mRNA for prolactin-inducible protein /cd
 37276_at Cluster Incl. U51903:Human RasGAP-related protein (IQGAP2) mRNA, comple
 41193_at Cluster Incl. AB013382:Homo sapiens mRNA for DUSP6, complete cds /cds=(
 1647_at U51903 /FEATURE= /DEFINITION=HSU51903 Human RasGAP-related protein (IQGA
 325_s_at Prolactin-Induced Protein

30

METAGENE 401 :

- 40684_at Cluster Incl. U78190:Human GTP cyclohydrolase I feedback regulatory pro
 41402_at Cluster Incl. AL080121:Homo sapiens mRNA; cDNA DKFZp564O0823 (from
 35 clon
 41706_at Cluster Incl. AJ130733:Homo sapiens mRNA 2-methylacyl-CoA racemase /cds
 41717_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B
 41721_at Cluster Incl. AA658877:nt84c12.s1 Homo sapiens cDNA /clone=IMAGE-120520
 38012_at Cluster Incl. U03272:Human fibrillin-2 mRNA, complete cds /cds=(0,8735)

METAGENE 402 :

- 31667_r_at Cluster Incl. W27698:36f8 Homo sapiens cDNA /gb=W27698 /gi=1307664 /u
- 5 31715_at Cluster Incl. U93720:Homo sapiens TEX28 mRNA, complete cds /cds=(144,13
- 39255_at Cluster Incl. X02750:Human liver mRNA for protein C /cds=(97,1482) /gb=
- 41383_at Cluster Incl. AJ001403:Homo sapiens mRNA for MUC5AC protein (placental)
- 39406_at Cluster Incl. U50330:Human procollagen C-proteinase (pCP-2) mRNA, compl
- 39764_at Cluster Incl. Z22534:H.sapiens ALK-2 mRNA /cds=(103,1632) /gb=Z22534 /g
- 10 40974_at Cluster Incl. U63541:Human mRNA expressed in HC/HCC livers and MolT-4 p

METAGENE 403 :

- 32402_s_at Cluster Incl. Y10931:H.sapiens mRNA for symplekin /cds=(459,3887) /gb
- 15 35562_at Cluster Incl. AI076718:oz16h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34897_at Cluster Incl. W26524:32g4 Homo sapiens cDNA /gb=W26524 /gi=1307385 /ug=
- 35963_at Cluster Incl. AI201243:qf70f09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 36732_at Cluster Incl. AI004207:ot94g05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 37159_at Cluster Incl. U79259:Human clone 23945 mRNA, complete cds /cds=(636,140
- 20 38142_at Cluster Incl. U38904:Human zinc finger protein C2H2-25 mRNA, complete c
- 38523_f_at Cluster Incl. D49677:Human U2AF1-RS2 mRNA, complete cds /cds=(24,1472
- 41464_at Cluster Incl. AB002337:Human mRNA for KIAA0339 gene, complete cds /cds=
- 41866_s_at Cluster Incl. AF022728:Homo sapiens beta-dystrobrevin (BDTN) mRNA, co
- 32659_at Cluster Incl. AL050109:Homo sapiens mRNA; cDNA DKFZp586J0119 (from clon
- 25 33242_at Cluster Incl. U92980:Homo sapiens clone DT1P1A10 mRNA, CAG repeat regio
- 33322_i_at Cluster Incl. X57348:H.sapiens mRNA (clone 9112) /cds=(165,911) /gb=X
- 33323_r_at Cluster Incl. X57348:H.sapiens mRNA (clone 9112) /cds=(165,911) /gb=X
- 33736_at Cluster Incl. Y16522:Homo sapiens mRNA for hSLP-1 protein /cds=(44,1228
- 34259_at Cluster Incl. AB014564:Homo sapiens mRNA for KIAA0664 protein, partial
- 30 35701_at Cluster Incl. AI038821:ox96d03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 36862_at Cluster Incl. AB029038:Homo sapiens mRNA for KIAA1115 protein, complete
- 39404_s_at Cluster Incl. D86988:Human mRNA for KIAA0221 gene, complete cds /cds=
- 40872_at Cluster Incl. T57872:yb19b12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 40875_s_at Cluster Incl. X06815:Human mRNA for hU1-70K small nuclear RNP protein
- 35 41724_at Cluster Incl. X81817:H.sapiens BAP31 mRNA /cds=(73,813) /gb=X81817 /gi=
- 41753_at Cluster Incl. U48734:Human non-muscle alpha-actinin mRNA, complete cds
- 32236_at Cluster Incl. AF032456:Homo sapiens ubiquitin conjugating enzyme G2 (UB
- 33408_at Cluster Incl. AB023151:Homo sapiens mRNA for KIAA0934 protein, partial
- 35260_at Cluster Incl. AB020674:Homo sapiens mRNA for KIAA0867 protein, complete

- 36986_at Cluster Incl. AL031295:Human DNA sequence from clone 886K2 on chromosom
 37365_at Cluster Incl. X63368:H.sapiens HSJ1 mRNA /cds=(25,1080) /gb=X63368 /gi=
 38020_at Cluster Incl. AB014552:Homo sapiens mRNA for KIAA0652 protein, complete
 39088_at Cluster Incl. Y18007:Homo sapiens mRNA for putative seven transmembrane
 5 39824_at Cluster Incl. AI391564:tg16b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 40199_at Cluster Incl. M97676:Homo sapiens (region 7) homeobox protein (HOX7) mR
 41838_at Cluster Incl. X99270:H.sapiens Xq28, 2000bp sequence contg. ORF /cds=(5
 490_g_at U63329 /FEATURE=cds /DEFINITION=HSU63329 Human mutY homolog
 (hMYH) gene

10

METAGENE 404 :

- 33221_at Cluster Incl. U80735:Homo sapiens CAGF28 mRNA, partial cds /cds=(0,2235
 36921_at Cluster Incl. U02556:Human RP3 mRNA, complete cds /cds=(68,418) /gb=U02
 15 38317_at Cluster Incl. M99701:Homo sapiens (pp21) mRNA, complete cds /cds=(164,6
 40861_at Cluster Incl. D14812:Human mRNA for KIAA0026 gene, complete cds /cds=(3
 41210_at Cluster Incl. M81057:Human procarboxypeptidase B mRNA, complete cds /cd
 32215_i_at Cluster Incl. AB020685:Homo sapiens mRNA for KIAA0878 protein, comple
 35767_at Cluster Incl. AI565760:tn20b01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 20 36165_at Cluster Incl. W51774:zc48b04.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
 36660_at Cluster Incl. AF000231:Homo sapiens rab11a GTPase mRNA, complete cds /c
 41348_at Cluster Incl. U90304:Human iroquois-class homeodomain protein IRX-2a mR
 977_s_at Z35402 /FEATURE=mRNA /DEFINITION=HSECAD3 H.sapiens gene encoding
 E-cadh

25

METAGENE 405 :

- 36295_at Cluster Incl. U09412:Human zinc finger protein ZNF134 mRNA, complete cd
 40691_at Cluster Incl. U71598:Human zinc finger protein zfp2 (zf2) mRNA, partial

30

METAGENE 406 :

- 31525_s_at Cluster Incl. J00153:Human alpha globin gene cluster on chromosome 16
 31687_f_at Cluster Incl. M25079:Human sickle cell beta-globin mRNA, complete cds
 35 32052_at Cluster Incl. L48215:Homo sapiens beta-globin (HBB) gene, with a to c a
 117_at X51757 /FEATURE=cds /DEFINITION=HSP70B Human heat-shock protein HSP70B g

METAGENE 407 :

- 39315_at Cluster Incl. D13628:Human mRNA for KIAA0003 gene, complete cds /cds=(9
 39993_at Cluster Incl. D11466:Homo sapiens mRNA for PIG-A protein, complete cds
 41632_at Cluster Incl. D38550:Human mRNA for KIAA0075 gene, partial cds /cds=(0,
 41669_at Cluster Incl. D83776:Human mRNA for KIAA0191 gene, partial cds /cds=(0,
 5 31786_at Cluster Incl. AF051321:Homo sapiens Sam68-like phosphotyrosine protein
 31794_at Cluster Incl. D38524:Human mRNA for 5-nucleotidase /cds=(83,1768) /gb=D
 35202_at Cluster Incl. AF025654:Human sapiens mRNA capping enzyme (HCE) mRNA,
 com
 36898_r_at Cluster Incl. X74331:H.sapiens mRNA for DNA primase (subunit p58) /cd
 10 37991_at Cluster Incl. L38961:Human putative transmembrane protein precursor (B5
 41143_at Cluster Incl. U12022:Human calmodulin (CALM1) gene /cds=(199,648) /gb=U
 41763_g_at Cluster Incl. D64015:Homo sapiens mRNA for T-cluster binding protein,
 32784_at Cluster Incl. AB011108:Homo sapiens mRNA for KIAA0536 protein, partial
 33394_at Cluster Incl. AA034074:zi06c05.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 15 33120_at Cluster Incl. AF045229:Homo sapiens regulator of G protein signaling 10

METAGENE 408 :

- 36412_s_at Cluster Incl. U53831:Homo sapiens interferon regulatory factor 7B mRN
 20 34491_at Cluster Incl. AJ225089:Homo sapiens mRNA for 2-5 oligoadenylate synthe
 38517_at Cluster Incl. M87503:Human IFN-responsive transcription factor subunit
 38549_at Cluster Incl. AF026941:Homo sapiens cig5 mRNA, partial sequence /cds=UN
 38584_at Cluster Incl. AF026939:Homo sapiens CIG49 (cig49) mRNA, complete cds /c
 39263_at Cluster Incl. M87434:Human 71 kDa 25 oligoadenylate synthetase (p69 2-
 25 41045_at Cluster Incl. U77643:Homo sapiens K12 protein precursor mRNA, complete
 31812_at Cluster Incl. M24470:Human glucose-6-phosphate dehydrogenase, complete
 32114_s_at Cluster Incl. S46950:adenosine A2 receptor [human, hippocampal, mRNA,
 33236_at Cluster Incl. AF060228:Homo sapiens retinoic acid receptor responder 3
 35718_at Cluster Incl. L22342:Human nuclear phosphoprotein mRNA, complete cds /c
 30 36927_at Cluster Incl. AB000115:Homo sapiens mRNA expressed in osteoblast, compl
 37641_at Cluster Incl. D28915:Human gene for hepatitis C-associated microtubular
 38662_at Cluster Incl. AL047596:DKFZp586G0421_s1 Homo sapiens cDNA.
 /clone=DKFZp5
 39061_at Cluster Incl. D28137:Human mRNA for BST-2, complete cds /cds=(9,551) /g
 35 40505_at Cluster Incl. AA883502:am25h07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 41745_at Cluster Incl. X57352:Human 1-8U gene from interferon-inducible gene fam
 32775_r_at Cluster Incl. AB006746:Homo sapiens hMmTRA1b mRNA, complete cds /cds=
 32814_at Cluster Incl. M24594:Human interferon-inducible 56 Kd protein mRNA, com
 37014_at Cluster Incl. M33882:Human p78 protein mRNA, complete cds /cds=(345,233

- 37353_g_at Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complet
 37360_at Cluster Incl. U66711:Human Ly-6-related protein (9804) gene, complete c
 38388_at Cluster Incl. M11810:Human (2-5) oligo A synthetase E gene /cds=(0,120
 38389_at Cluster Incl. X04371:Human 1.6Kb mRNA for 2-5A synthetase induced by in
 5 38432_at Cluster Incl. AA203213:zx57e04.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 1358_s_at U22970 /FEATURE=mRNA#1 /DEFINITION=HSU22970 Human interferon-
 inducible
 1107_s_at M13755 /FEATURE=mRNA /DEFINITION=HUMIFN15K Human interferon-
 induced 17
 10 915_at M24594 /FEATURE=mRNA /DEFINITION=HUMII56KD Human interferon-inducible 56
 879_at M30818 /FEATURE=mRNA /DEFINITION=HUMMXB Human interferon-induced
 cellular
 675_at J04164 /FEATURE= /DEFINITION=HUM927A Human interferon-inducible protein 9
 626_s_at L78833 /FEATURE=cds#5 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7
 15 and valI g
 464_s_at U72882 /FEATURE= /DEFINITION=HSU72882 Human interferon-induced
 leucine
 425_at X67325 /FEATURE=cds /DEFINITION=HSP27 H.sapiens p27 mRNA
 269_at L40387 /FEATURE=cds /DEFINITION=HUMTRIP14G Homo sapiens thyroid receptor
 20
 METAGENE 409 :
 33559_at Cluster Incl. U61412:Human non-receptor type protein tyrosine kinase (P
 38169_s_at Cluster Incl. U76368:Human cationic amino acid transporter-2A (ATRC2)
 25 35174_i_at Cluster Incl. X70940:H.sapiens mRNA for elongation factor 1 alpha-2 /
 35729_at Cluster Incl. AB018270:Homo sapiens mRNA for KIAA0727 protein, partial
 37580_at Cluster Incl. AF036271:Homo sapiens EEN-B2-L3 mRNA, complete cds /cds=(
 1582_at M29540 /FEATURE= /DEFINITION=HUMCEAF Human carcinoembryonic antigen
 mRNA
 30
 METAGENE 410 :
 34077_at Cluster Incl. X95876:H.sapiens mRNA for G-protein coupled receptor /cds
 36334_at Cluster Incl. L42621:Homo sapiens Ly-9 mRNA, complete cds /cds=(0,1832)
 35 38963_i_at Cluster Incl. U12707:Human Wiskott-Aldrich syndrome protein (WASP) mR
 32646_at Cluster Incl. AB007918:Homo sapiens mRNA for KIAA0449 protein, partial
 33283_at Cluster Incl. AF106941:Homo sapiens beta-arrestin 2 mRNA, complete cds
 33804_at Cluster Incl. U43522:Human cell adhesion kinase beta (CAKbeta) mRNA, co
 36482_s_at Cluster Incl. Y15724:Homo sapiens SERCA3 gene, exons 1-7 (and joined

41166_at Cluster Incl. X58529:Human rearranged immunoglobulin mRNA for mu heavy

METAGENE 411 :

- 5** 34180_at Cluster Incl. AB002292:Human mRNA for KIAA0294 gene, complete cds /cds=
 34354_at Cluster Incl. M80634:Human keratinocyte growth factor receptor mRNA, co
 35829_at Cluster Incl. AL080181:Homo sapiens mRNA; cDNA DKFZp434O111 (from
 clone
 1970_s_at Z71929 /FEATURE=cds /DEFINITION=HSFGFR2MR H.sapiens FGFR2 mRNA
10 1363_at M87770 /FEATURE= /DEFINITION=HUMKSAMI Human fibroblast growth factor rec

METAGENE 412 :

- 37423_at Cluster Incl. U30246:Human bumetanide-sensitive Na-K-Cl cotransporter (
15 41362_at Cluster Incl. X91249:H.sapiens mRNA for white gene protein /cds=(30,205
 33723_at Cluster Incl. AL049346:Homo sapiens mRNA; cDNA DKFZp566B213 (from
 clone
 34288_at Cluster Incl. U67784:Human orphan G protein-coupled receptor (RDC1) mRN
 34876_at Cluster Incl. U65090:Human carboxypeptidase D mRNA, complete cds /cds=(
20 37363_at Cluster Incl. AB007889:Homo sapiens KIAA0429 mRNA, complete cds /cds=(2

METAGENE 413 :

- 40333_at Cluster Incl. U43842:Homo sapiens bone morphogenetic protein-4 (hBMP-4)
25 37609_at Cluster Incl. U01833:Human nucleotide-binding protein mRNA, complete cd
 38336_at Cluster Incl. AB023230:Homo sapiens mRNA for KIAA1013 protein, partial
 34311_at Cluster Incl. X76648:H.sapiens mRNA for glutaredoxin /cds=(63,383) /gb=
 34381_at Cluster Incl. AI708889:as86g01.x1 Homo sapiens cDNA, 3' end /clone=IMAG
 1228_s_at U73682 /FEATURE= /DEFINITION=HSU73682 Human meningioma-expressed
30 antig
 1114_at M22490 /FEATURE= /DEFINITION=HUMBMP2B Human bone morphogenetic protein-2

METAGENE 414 :

- 35** 36692_at Cluster Incl. AF052099:Homo sapiens clone 23632 mRNA sequence /cds=UNKN
 40358_at Cluster Incl. M57609:Human DNA-binding protein (GLI3) mRNA, complete cd
 41049_at Cluster Incl. S62539:insulin receptor substrate-1 [human, skeletal musc
 37197_s_at Cluster Incl. AL050006:Homo sapiens mRNA; cDNA DKFZp564A033 (from clo
 39441_at Cluster Incl. Y11395:H.sapiens mRNA for p40 /cds=(104,1303) /gb=Y11395

- 39687_at Cluster Incl. AI524873:promma-10.C03.r Homo sapiens cDNA, 5 end /clon
- 40133_s_at Cluster Incl. W28944:54h12 Homo sapiens cDNA /gb=W28944 /gi=1308955 /
- 33403_at Cluster Incl. AL050260:Homo sapiens mRNA; cDNA DKFZp547E1010 (from clon
- 5** 872_i_atS62539 /FEATURE= /DEFINITION=S62539 insulin receptor substrate-1 [human
- 851_s_at S62539 /FEATURE= /DEFINITION=S62539 insulin receptor substrate-1 [human
- 744_at D50487 /FEATURE= /DEFINITION=HUMHRH1 Human mRNA for RNA helicase (HRH1),
- 10** METAGENE 415:
- 37471_at Cluster Incl. U94317:Homo sapiens ribonuclease P protein subunit p40 (R
- 40364_at Cluster Incl. U83460:Human high-affinity copper uptake protein (hCTR1)
- 41058_g_at Cluster Incl. AI760162:wg58e09.x1 Homo sapiens cDNA, 3 end /clone=IM
- 15** 41454_at Cluster Incl. W27949:39h3 Homo sapiens cDNA /gb=W27949 /gi=1307897 /ug=
- 41670_at Cluster Incl. R38263:yc92c11.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 34755_at Cluster Incl. AJ236876:Homo sapiens mRNA for poly(ADP-ribose) polymeras
- 35247_at Cluster Incl. AI557062:PT2.1_13_A09.r Homo sapiens cDNA, 3 end /clone_
- 36023_at Cluster Incl. AI864120:wg64a06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 20** 37174_at Cluster Incl. D14660:Human mRNA for KIAA0104 gene, complete cds /cds=(3
- 37936_at Cluster Incl. AI184802:qd24g04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 39060_at Cluster Incl. D38048:Human mRNA for proteasome subunit z, complete cds
- 39443_s_at Cluster Incl. M19961:Human cytochrome c oxidase subunit Vb (coxVb) mR
- 40788_at Cluster Incl. U84371:Human adenylate kinase 2A (AK2A) mRNA, complete cd
- 25** 41213_at Cluster Incl. X67951:H.sapiens mRNA for proliferation-associated gene (
- 33422_at Cluster Incl. AF052155:Homo sapiens clone 24761 mRNA sequence /cds=UNKN
- 33433_at Cluster Incl. AL049943:Homo sapiens mRNA; cDNA DKFZp564F0522 (from clon
- 36122_at Cluster Incl. X59417:H.sapiens PROS-27 mRNA /cds=(62,802) /gb=X59417 /g
- 30** 36205_at Cluster Incl. L04490:Homo sapiens (clone CC6) NADH-ubiquinone oxidoredu
- 36639_at Cluster Incl. AF067853:Homo sapiens adenylosuccinate lyase (ADSL) mRNA,
- 36676_at Cluster Incl. AL031659:dJ343K2.2.1 (ribophorin II (isoform 1)) /cds=(28
- 36687_at Cluster Incl. N50520:yy89b05.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 36978_at Cluster Incl. D38521:Human mRNA for KIAA0077 gene, partial cds /cds=(0,
- 35** 37325_at Cluster Incl. D14697:Human mRNA for KIAA0003 gene, complete cds /cds=(1
- 37337_at Cluster Incl. AI803447:tc39g04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 37666_at Cluster Incl. D29011:Human mRNA for proteasome subunit X, complete cds
- 38060_at Cluster Incl. AI541336:pec1.2-7.A07.r Homo sapiens cDNA, 5 end /clone_
- 38744_at Cluster Incl. N95406:zb80g12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-

40979_at Cluster Incl. AJ243310:Homo sapiens mRNA for C14orf3 protein /cds=(131,
 32529_at Cluster Incl. X69910:H.sapiens p63 mRNA for transmembrane protein /cds=
 372_f_atZ84718 /FEATURE=cds#2 /DEFINITION=HS322B1 Human DNA sequence from clone

5 METAGENE 416 :

32914_f_at Cluster Incl. AC005175:Homo sapiens chromosome 19, cosmid R31449 /cds
 36537_at Cluster Incl. AB011093:Homo sapiens mRNA for KIAA0521 protein, partial
 33360_at Cluster Incl. AB023221:Homo sapiens mRNA for KIAA1004 protein, partial
 10 34833_at Cluster Incl. AL050157:Homo sapiens mRNA; cDNA DKFZp586O0120 (from
 clon
 38828_s_at Cluster Incl. AA628946:af28f05.s1 Homo sapiens cDNA, 3 end /clone=IM
 38829_r_at Cluster Incl. AA628946:af28f05.s1 Homo sapiens cDNA, 3 end /clone=IM
 32579_at Cluster Incl. U29175:Human transcriptional activator (BRG1) mRNA, compl
 15 1295_at L19067 /FEATURE= /DEFINITION=HUMNFKB65A Human NF-kappa-B transcription f

METAGENE 417 :

39964_at Cluster Incl. AJ007590:Homo sapiens mRNA for XRP2 protein /cds=(172,122
 20 34668_at Cluster Incl. D88152:Homo sapiens mRNA for acetyl-coenzyme A transporte
 36081_s_at Cluster Incl. AB004848:Homo sapiens mRNA expressed in placenta, clone
 36657_at Cluster Incl. AA883870:am26f01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 38774_at Cluster Incl. U77942:Human syntaxin 7 mRNA, complete cds /cds=(79,864)
 40568_at Cluster Incl. L35249:Homo sapiens vacuolar H⁺-ATPase Mr 56,000 subunit
 25 40571_at Cluster Incl. U90942:Human myosin heavy chain 12 (MYO5A) mRNA, complete
 40612_at Cluster Incl. AB029040:Homo sapiens mRNA for KIAA1117 protein, partial
 32578_at Cluster Incl. AW005997:wz91c01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 33180_at Cluster Incl. U68111:Human protein phosphatase inhibitor 2 (PPP1R2) gen
 950_at D87127 /FEATURE= /DEFINITION=D87127 Homo sapiens mRNA for translocation p

30

METAGENE 418 :

32426_f_at Cluster Incl. M77481:Human antigen (MAGE-1) gene, complete cds /cds=(
 34148_at Cluster Incl. AJ012611:Homo sapiens mRNA for SIX3 protein /cds=(207,120
 35 34539_at Cluster Incl. AF065854:Homo sapiens OR7E12P pseudogene, complete sequen
 36302_f_at Cluster Incl. U10688:Human MAGE-4b antigen (MAGE4b) gene, complete cd
 33249_at Cluster Incl. M16801:Human mineralocorticoid receptor mRNA (hMR), compl
 37554_at Cluster Incl. U62801:Human protease M mRNA, complete cds /cds=(245,979)
 40107_at Cluster Incl. AF054987:Homo sapiens clone 23831 aldolase C mRNA, comple

34367_at Cluster Incl. AF006043:Homo sapiens 3-phosphoglycerate dehydrogenase mR
 35369_at Cluster Incl. AB023154:Homo sapiens mRNA for KIAA0937 protein, partial
 37320_at Cluster Incl. D14694:Human mRNA for KIAA0024 gene, complete cds /cds=(1
 33203_s_at Cluster Incl. U59831:Human transcription factor, forkhead related act

5

METAGENE 419 :

35601_at Cluster Incl. L00022:Human Ig active epsilon1 5 UT, V-D-J region subgro
 38377_at Cluster Incl. U47742:Human monocytic leukaemia zinc finger protein (MOZ

10

METAGENE 420 :

31722_at Cluster Incl. AL022326:dJ333H23.1.1 (60S Ribosomal Protein L3) /cds=(6,
 36894_at Cluster Incl. AL031846:dJ742C19.5 (novel Chromobox protein) /cds=(89,84
 15 39798_at Cluster Incl. R87876:yo45h01.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
 41236_at Cluster Incl. U79252:Human clone 23679 mRNA, complete cds /cds=(973,144
 41746_at Cluster Incl. Z83840:Human DNA sequence from clone 216E10 on chromosome
 32744_at Cluster Incl. AI526078:DU3.2-7.G08.r Homo sapiens cDNA, 5 end /clone_e
 32766_at Cluster Incl. Z83840:Human DNA sequence from clone 216E10 on chromosome
 20 33868_at Cluster Incl. Z93241:dJ222E13.3.2 (PUTATIVE partial isoform 2) /cds=(0,
 34302_at Cluster Incl. U96074:Human translation initiation factor eIF3 p44 subun
 34837_at Cluster Incl. AB002374:Human mRNA for KIAA0376 gene, partial cds /cds=(
 34849_at Cluster Incl. X91257:H.sapiens mRNA for seryl-tRNA synthetase /cds=(75,
 34866_at Cluster Incl. AF055029:Homo sapiens clone 24711 mRNA sequence /cds=UNKN
 25 35298_at Cluster Incl. U54558:Homo sapiens translation initiation factor eIF3 p6
 35336_at Cluster Incl. AL021707:Human DNA sequence from clone 508I15 on chromoso
 38053_s_at Cluster Incl. AF015767:Homo sapiens brain and reproductive organ-expr
 39916_r_at Cluster Incl. J02984:Human insulinoma rig-analog mRNA encoding DNA-bi

30 METAGENE 421 :

35402_at Cluster Incl. AF068868:Homo sapiens TNFR-related death receptor-6 (DR6)
 34793_s_at Cluster Incl. M22299:Human T-plastin polypeptide mRNA, complete cds,
 1388_g_at J03258 /FEATURE=mRNA /DEFINITION=HUMVDR Human vitamin D receptor
 35 mRNA,

METAGENE 422 :

31739_at Cluster Incl. AA977513:on60e11.s1 Homo sapiens cDNA, 3 end /clone=IMAG

- 38889_at Cluster Incl. AF104304:Homo sapiens Smad anchor for receptor activation
- 39682_at Cluster Incl. X87159:H.sapiens mRNA for beta subunit of epithelial amil
- 34719_at Cluster Incl. AB020645:Homo sapiens mRNA for KIAA0838 protein, complete
- 35650_at Cluster Incl. AB002354:Human mRNA for KIAA0356 gene, complete cds /cds=
- 5 35673_at Cluster Incl. U02082:Human guanine nucleotide regulatory protein (tim1)
- 38669_at Cluster Incl. D86959:Human mRNA for KIAA0204 gene, complete cds /cds=(5
- 39758_f_at Cluster Incl. J04182:Homo sapiens lysosomal membrane glycoprotein-1 (
- 39787_at Cluster Incl. AB029821:Homo sapiens mRNA for phosphatidylethanolamine N
- 41207_at Cluster Incl. AF043897:Homo sapiens C90RF3 large isoform, mRNA sequence
- 10 32764_at Cluster Incl. AI796048:wh41g06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32768_at Cluster Incl. AL048308:DKFZp586A2224_s1 Homo sapiens cDNA
- /clone=DKFZp5
- 33342_at Cluster Incl. AF039029:Homo sapiens snurportin1 mRNA, complete cds /cds
- 34413_at Cluster Incl. AF038203:Homo sapiens clone 23596 mRNA sequence /cds=UNKN
- 15 36121_at Cluster Incl. AB028988:Homo sapiens mRNA for KIAA1065 protein, complete
- 37367_at Cluster Incl. X76228:H.sapiens mRNA for vacuolar H⁺ ATPase E subunit /c
- 37654_at Cluster Incl. D31764:Human mRNA for KIAA0064 gene, complete cds /cds=(2
- 37739_at Cluster Incl. M86737:Human high mobility group box (SSRP1) mRNA, comple
- 38477_at Cluster Incl. S81752:DPH2L=candidate tumor suppressor gene {ovarian can
- 20 38817_at Cluster Incl. AF047437:Homo sapiens sperm acrosomal protein mRNA, compl
- 41332_at Cluster Incl. D38251:Homo sapiens mRNA for RPB5 (XAP4), complete cds /c
- 1348_s_at S79219 /FEATURE= /DEFINITION=S79219 metastasis-associated gene [human,
- 999_at X59812 /FEATURE=cds /DEFINITION=HSVD3HYD H.sapiens CYP 27 mRNA for
- vitami
- 25 506_s_at U43185 /FEATURE= /DEFINITION=HSU43185 Human signal transducer and
- activ

METAGENE 423 :

- 30 37794_at Cluster Incl. AF035281:Homo sapiens clone 23903 mRNA sequence /cds=UNKN
- 38197_at Cluster Incl. M64934:Human kell blood group protein mRNA /cds=(123,2321
- 39638_at Cluster Incl. S73885:AP-4=basic helix-loop-helix DNA-binding protein [h
- 39684_at Cluster Incl. U37707:Human dl3 mRNA, complete cds /cds=(336,2093) /gb=
- 40371_at Cluster Incl. X51362:Human mRNA for dopamine D2 receptor /cds=(165,1496
- 35 41071_at Cluster Incl. X57655:H.sapiens RNA for acrosin-trypsin inhibitor (HUSI-
- 41387_r_at Cluster Incl. AB002344:Human mRNA for KIAA0346 gene, partial cds /cds
- 41863_at Cluster Incl. AF070623:Homo sapiens clone 24468 mRNA sequence /cds=UNKN
- 34238_at Cluster Incl. AB002362:Human mRNA for KIAA0364 gene, complete cds /cds=
- 35145_at Cluster Incl. X96401:H.sapiens mRNA for ROX protein /cds=(212,1960) /gb

	36552_at	Cluster Incl. AL080220:Homo sapiens mRNA; cDNA DKFZp586P0123 (from clon
	40092_at	Cluster Incl. AB002312:Human mRNA for KIAA0314 gene, partial cds /cds=(
	40777_at	Cluster Incl. X87838:H.sapiens mRNA for beta-catenin /cds=(214,2559) /g
5	35755_at	Cluster Incl. U51336:Human inositol 1,3,4-trisphosphate 5/6-kinase mRNA
	39161_at	Cluster Incl. AF052093:Homo sapiens clone 23685 mRNA sequence /cds=UNKN
	40207_g_at	Cluster Incl. AI767675:wh38d11.x1 Homo sapiens cDNA, 3 end /clone=IM
	41483_s_at	Cluster Incl. X56681:Human junD mRNA /cds=(174,1217) /gb=X56681 /gi=3
	1612_s_at	X56681 /FEATURE=mRNA /DEFINITION=HSJUNDR Human junD mRNA
10		METAGENE 424 :
	38233_at	Cluster Incl. AF093265:Homo sapiens homer-3 mRNA, complete cds /cds=(90
	38599_s_at	Cluster Incl. AD001530:Homo sapiens XAP-5 mRNA, complete cds /cds=(75
15	38956_at	Cluster Incl. AF052111:Homo sapiens clone 23953 mRNA sequence /cds=UNKN
	39307_s_at	Cluster Incl. X81637:H.sapiens clathrin light chain b gene /cds=UNKNO
	32632_g_at	Cluster Incl. J03060:Human glucocerebrosidase (GCB) gene /cds=(229,17
	33294_at	Cluster Incl. D29958:Human mRNA for KIAA0116 gene, partial cds /cds=(0,
	33319_at	Cluster Incl. AF009674:Homo sapiens axin (AXIN) mRNA, partial cds /cds=
20	33745_at	Cluster Incl. M31606:Human phosphorylase kinase (PSK-C3) mRNA, complete
	35206_at	Cluster Incl. AF049105:Homo sapiens centrosomal Nek2-associated protein
	36463_at	Cluster Incl. AB020680:Homo sapiens mRNA for KIAA0873 protein, partial
	36485_at	Cluster Incl. U85647:Homo sapiens small optic lobes homolog (SOLH) mRNA
	36500_at	Cluster Incl. AF027974:Homo sapiens clone LM1955 H105e3 gene, partial c
25	36870_at	Cluster Incl. AB018347:Homo sapiens mRNA for KIAA0804 protein, partial
	36880_at	Cluster Incl. U07736:Human quinone oxidoreductase2 (NQO2) gene /cds=(27
	37214_g_at	Cluster Incl. X90392:H.sapiens mRNA for DNase X gene /cds=(794,1702)
	38007_at	Cluster Incl. L11353:Human moesin-ezrin-radixin-like protein mRNA, comp
	38623_at	Cluster Incl. AI014538:ou40e01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30	38709_at	Cluster Incl. D80009:Human mRNA for KIAA0187 gene, complete cds /cds=(2
	40070_at	Cluster Incl. D50912:Human mRNA for KIAA0122 gene, partial cds /cds=(0,
	41172_at	Cluster Incl. AA126515:zn85c12.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32211_at	Cluster Incl. AB009398:Homo sapiens mRNA for 26S proteasome subunit p40
	32774_at	Cluster Incl. AI541050:pec1.2-1.E08.r Homo sapiens cDNA, 5 end /clone_
35	34787_at	Cluster Incl. X93209:H.sapiens mRNA for NRD1 convertase /cds=UNKNOWN /g
	34880_at	Cluster Incl. AC002115:Human DNA from overlapping chromosome 19 cosmids
	36651_at	Cluster Incl. X15525:H.sapiens lysosomal acid phosphatase gene (EC 3.1.
	38043_at	Cluster Incl. X55448:H.sapiens G6PD gene for glucose-6-phosphate dehydr
	38830_at	Cluster Incl. U66685:HSU66685 Homo sapiens cDNA /gb=U66685 /gi=1906570

- 39519_at Cluster Incl. AB014592:Homo sapiens mRNA for KIAA0692 protein, partial
 40905_s_at Cluster Incl. AL050369:Homo sapiens mRNA; cDNA DKFZp566J153 (from clo
 40923_at Cluster Incl. AA290994:zs45d07.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 41805_g_at Cluster Incl. W80358:zh49a07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
5 32584_at Cluster Incl. D38047:Human mRNA for 26S proteasome subunit p31, complet
 1324_at U53174 /FEATURE= /DEFINITION=HSU53174 Human cell cycle checkpoint contro
 101_at Y09305 /FEATURE=cds /DEFINITION=HSDYRK4 H.sapiens mRNA for protein kinase
- METAGENE 425 :**
- 10**
- 33034_at Cluster Incl. Y17108:Homo sapiens mRNA for rhomboid-related protein, co
 35381_at Cluster Incl. AL080127:Homo sapiens mRNA; cDNA DKFZp434C013 (from
 clone
 37114_at Cluster Incl. L32832:Homo sapiens zinc finger homeodomain protein (ATBF
15 37490_at Cluster Incl. L27213:Homo sapiens anion exchange protein mRNA, complete
 37529_at Cluster Incl. AF051946:Homo sapiens T-type calcium channel alpha-1 subu
 38221_at Cluster Incl. AF100153:Homo sapiens connector enhancer of KSR-like prot
 41610_at Cluster Incl. AB011105:Homo sapiens mRNA for KIAA0533 protein, partial
 41657_at Cluster Incl. AF035625:Homo sapiens serine threonine kinase 11 (STK11)
20 41705_at Cluster Incl. U69198:U69198 Homo sapiens cDNA /clone=c-32h10 /gb=U69198
 31846_at Cluster Incl. AW003733:ws16b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 32137_at Cluster Incl. AF029778:Homo sapiens Jagged2 (JAG2) mRNA, complete cds /
 33269_at Cluster Incl. AB003723:Homo sapiens mRNA for GPII, complete cds /cds=(1
 34287_at Cluster Incl. AB023175:Homo sapiens mRNA for KIAA0958 protein, partial
25 34726_at Cluster Incl. U07139:Human voltage-gated calcium channel beta subunit m
 34769_at Cluster Incl. U82535:Human fatty acid amide hydrolase mRNA, complete cd
 35671_at Cluster Incl. U02619:Human TFIIC Box B-binding subunit mRNA, complete
 37931_at Cluster Incl. X05299:Human mRNA (~95%) for major centromere autoantigen
 37970_at Cluster Incl. AB028989:Homo sapiens mRNA for KIAA1066 protein, partial
30 37996_s_at Cluster Incl. L08835:Homo sapiens DMR-N9, partial cds; and myotonic d
 38725_s_at Cluster Incl. N36295:yx99b12.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 39803_s_at Cluster Incl. U84570:Human A2 mRNA, complete cds /cds=(239,883) /gb=U
 40116_at Cluster Incl. X15573:Human liver-type 1-phosphofructokinase (PFKL) mRNA
 40451_at Cluster Incl. AL080203:Homo sapiens mRNA; cDNA DKFZp434F222 (from
35 clone
 32837_at Cluster Incl. U56418:Human lysophosphatidic acid acyltransferase-beta m
 33824_at Cluster Incl. X74929:H.sapiens KRT8 mRNA for keratin 8 /cds=(59,1510) /
 33900_at Cluster Incl. U76702:Homo sapiens follistatin-related protein FLRG (FLR
 33903_at Cluster Incl. AB007144:Homo sapiens mRNA for ZIP-kinase, complete cds /

- 33929_at Cluster Incl. X54232:Human mRNA for heparan sulfate proteoglycan (glypi
 35763_at Cluster Incl. AB011112:Homo sapiens mRNA for KIAA0540 protein, partial
 35828_at Cluster Incl. D42123:Homo sapiens mRNA for ESP1/CRP2, complete cds /cds
 36136_at Cluster Incl. AF010315:Homo sapiens Pig11 (PIG11) mRNA, complete cds /c
 5 36152_at Cluster Incl. X79353:H.sapiens XAP-4 mRNA for GDP-dissociation inhibito
 36183_at Cluster Incl. X86779:H.sapiens mRNA for FAST kinase /cds=(21,1670) /gb=
 36670_at Cluster Incl. L26339:Human autoantigen mRNA, complete cds /cds=(136,378
 37368_at Cluster Incl. AA292277:zt51a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 38021_at Cluster Incl. U53204:Human plectin (PLEC1) mRNA, complete cds /cds=(51,
 10 38069_at Cluster Incl. Z67743:H.sapiens mRNA for CLC-7 chloride channel protein
 38813_at Cluster Incl. X75621:Homo sapiens TSC2 mRNA for tuberin /cds=(18,5441)
 39832_at Cluster Incl. AL096723:Homo sapiens mRNA; cDNA DKFZp564H2023 (from
 clon
 39918_at Cluster Incl. AF042379:Homo sapiens spindle pole body protein spc97 hom
 15 40235_at Cluster Incl. L13738:Human activated p21cdc42Hs kinase (ack) mRNA, comp
 40580_r_at Cluster Incl. M24398:Human parathymosin mRNA, complete cds /cds=(300,
 41306_at Cluster Incl. AA004795:zh96a06.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 1395_at L25081 /FEATURE= /DEFINITION=HUMRHOCA Homo sapiens GTPase (rhoC) mRNA,
 c
 20 1270_at M64788 /FEATURE= /DEFINITION=HUMRAP1GAP Human GTPase activating protein
 897_at L33243 /FEATURE=mRNA /DEFINITION=HUMPKD1A Homo sapiens polycystic kidney
 884_at M59911 /FEATURE= /DEFINITION=HUMINTA3A Human integrin alpha-3 chain
 mRNA,
 721_g_at D87673 /FEATURE= /DEFINITION=D87673 Homo sapiens mRNA for heat
 25 shock tr

METAGENE 426 :

- 39306_at Cluster Incl. AF052514:Homo sapiens thymus specific serine peptidase mR
 30 37558_at Cluster Incl. U97188:Homo sapiens putative RNA binding protein KOC (koc
 40913_at Cluster Incl. W28589:48h12 Homo sapiens cDNA /gb=W28589 /gi=1308537 /ug
 1386_at M83738 /FEATURE= /DEFINITION=HUMPTPSA Human protein-tyrosine phosphatase

METAGENE 427 :

35

- 31859_at Cluster Incl. J05070:Human type IV collagenase mRNA, complete cds /cds=

METAGENE 428 :

	36403_s_at	Cluster Incl. AI434146:ti36g07.x1 Homo sapiens cDNA, 3 end /clone=IM
	38862_at	Cluster Incl. Y11215:Homo sapiens mRNA for SKAP55 protein /cds=(70,1149
	41442_at	Cluster Incl. AB010419:Homo sapiens mRNA for MTG8-related protein MTG16
	41443_at	Cluster Incl. U63127:Human SEC7 homolog Tic (TIC) mRNA, complete cds /c
5	34223_at	Cluster Incl. M59818:Human granulocyte colony-stimulating factor recept
	35147_at	Cluster Incl. AB002360:Human mRNA for KIAA0362 gene, partial cds /cds=(
	35626_at	Cluster Incl. U30894:Human N-sulphoglucosamine sulphohydrolase mRNA, co
	38342_at	Cluster Incl. D87076:Human mRNA for KIAA0239 gene, partial cds /cds=(0,
	41130_at	Cluster Incl. Y08698:H.sapiens mRNA for RanBP3 (59 kDa) /cds=(20,1708)
10	41222_at	Cluster Incl. AF067575:untitled /cds=(21,2564) /gb=AF067575 /gi=3789867
	32145_at	Cluster Incl. X58141:Human mRNA for erythrocyte adducin alpha subunit /
	35852_at	Cluster Incl. AB014558:Homo sapiens mRNA for KIAA0658 protein, partial
	39130_at	Cluster Incl. AB018313:Homo sapiens mRNA for KIAA0770 protein, partial
	40225_at	Cluster Incl. D88435:Homo sapiens mRNA for HsGAK, complete cds /cds=(0,
15	32591_at	Cluster Incl. AI494623:qz17b06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	1294_at L13852	/FEATURE= /DEFINITION=HUME1URP Homo sapiens ubiquitin-activating
	1134_at L13738	/FEATURE=mRNA /DEFINITION=HUMNRTYKIN Human activated
	p21cdc42Hs k	
	816_g_at	U70987 /FEATURE= /DEFINITION=HSU70987 Human GAP binding protein
20	p62dok	
	596_s_at	M59820 /FEATURE=mRNA /DEFINITION=HUMGCSFR3 Human granulocyte
	colony-sti	
	453_at U66616	/FEATURE= /DEFINITION=HSU66616 Human SWI/SNF complex 170 KDa
	subun	
25		
	METAGENE 429 :	
	38555_at	Cluster Incl. AB026436:Homo sapiens mRNA for dual specificity phosphata
	41696_at	Cluster Incl. AI620381:tu94d05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30	31864_at	Cluster Incl. X98263:H.sapiens mRNA for M-phase phosphoprotein, mpp6 /c
	32044_at	Cluster Incl. D13635:Human mRNA for KIAA0010 gene, complete cds /cds=(3
	34230_r_at	Cluster Incl. D84454:Human mRNA for UDP-galactose translocator, compl
	34737_at	Cluster Incl. AF058718:Homo sapiens putative 13 S Golgi transport compl
	36489_at	Cluster Incl. D00860:Homo sapiens mRNA for phosphoribosyl pyrophosphate
35	39023_at	Cluster Incl. AF020038:Homo sapiens NADP-dependent isocitrate dehydroge
	40082_at	Cluster Incl. D10040:Homo sapiens mRNA for long-chain acyl-CoA syntheta
	40509_at	Cluster Incl. J04058:Human electron transfer flavoprotein alpha-subunit
	41139_at	Cluster Incl. W26633:34b1 Homo sapiens cDNA /gb=W26633 /gi=1307476 /ug=
	33369_at	Cluster Incl. AI535653:P9-C4.T3.P9.D4 Homo sapiens cDNA, 3 end /clone_

- 33849_at Cluster Incl. U02020:Human pre-B cell enhancing factor (PBEF) mRNA, com
 36607_at Cluster Incl. Z99716:bK250D10.5 (alpha-N-acetylgalactosaminidase) /cds=
 36677_at Cluster Incl. X70476:H.sapiens subunit of coatomer complex /cds=(68,278
 36985_at Cluster Incl. X17025:Human homolog of yeast IPP isomerase /cds=(50,736)
5 37692_at Cluster Incl. AI557240:PT2.1_15_C11.r Homo sapiens cDNA, 3 end /clone_
 1039_s_at U22431 /FEATURE= /DEFINITION=HSU22431 Human hypoxia-inducible factor
 1
 955_at Calmodulin Type I
 837_s_at U43944 /FEATURE= /DEFINITION=HSU43944 Human breast cancer cytosolic
10 NAD
 589_at M32313 /FEATURE=mRNA /DEFINITION=HUM5AR Human steroid 5-alpha-reductase
 m
 223_at S81003 /FEATURE= /DEFINITION=S81003 L-UBC=ubiquitin conjugating enzyme [h

15 METAGENE 430 :

 31927_s_at Cluster Incl. D86062:Human mRNA for KNP-Ib, complete cds /cds=(18,731
 37890_at Cluster Incl. X69398:H.sapiens mRNA for OA3 antigenic surface determina
 41198_at Cluster Incl. AF055008:Homo sapiens clone 24720 epithelin 1 and 2 mRNA,
20 36630_at Cluster Incl. Z50781:H.sapiens mRNA for leucine zipper protein /cds=(13
 36945_at Cluster Incl. X94910:Homo sapiens mRNA for ERp28 protein /cds=(11,796)
 38391_at Cluster Incl. M94345:Homo sapiens macrophage capping protein mRNA, comp
 41551_at Cluster Incl. AW044624:wy78c04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 41552_g_at Cluster Incl. AW044624:wy78c04.x1 Homo sapiens cDNA, 3 end /clone=IM
25 1315_at D78361 /FEATURE= /DEFINITION=HUMODAZ Human mRNA for ornithine decarboxyl
 1267_at M55284 /FEATURE= /DEFINITION=HUMPKCL Human protein kinase C-L (PRKCL)
 mR
 677_s_at J04430 /FEATURE=mRNA /DEFINITION=HUMACP5 Human tartrate-resistant
 acid
30
 METAGENE 431 :

 31627_f_at Cluster Incl. AF047485:Homo sapiens amine oxidase pseudogene mRNA, sp
 41701_at Cluster Incl. X72177:H.sapiens C6 gene, exon 1 /cds=(20,2824) /gb=X7217
35 35182_f_at Cluster Incl. W25874:14e9 Homo sapiens cDNA /gb=W25874 /gi=1306015 /u
 33142_at Cluster Incl. AF034633:Homo sapiens orphan G protein-coupled receptor (
 2060_at M13995 /FEATURE=mRNA /DEFINITION=HUMBCL2B Human B-cell
 leukemia/lymphoma
 258_at M16441 /FEATURE=cds#1 /DEFINITION=HUMTNFAB Human tumor necrosis factor an

METAGENE 432 :

- 32089_at Cluster Incl. AF079363:Homo sapiens sperm flagellar protein Repro-SA-1
5 35230_at Cluster Incl. AF070530:Homo sapiens clone 24751 unknown mRNA /cds=(0,12
 40626_at Cluster Incl. AI693193:wd68f02.x1 Homo sapiens cDNA, 3 end /clone=IMAG

METAGENE 433 :

- 10** 31736_at Cluster Incl. AA975427:og28g02.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 33035_at Cluster Incl. AL021397:dJ69E11.3 (Yeast YPR037W and worm C02C2.6 predic
 33661_at Cluster Incl. U66589:Human ribosomal protein L5 pseudogene mRNA, comple
 35579_at Cluster Incl. AB014524:Homo sapiens mRNA for KIAA0624 protein, partial
 36707_s_at Cluster Incl. X89059:H.sapiens mRNA for unknown protein expressed in
15 37156_at Cluster Incl. AF070641:Homo sapiens clone 24421 mRNA sequence /cds=UNKN
 37506_at Cluster Incl. Z78308:HSZ78308 Homo sapiens cDNA /clone=1.47-(CEPH) /gb=
 38568_at Cluster Incl. U82939:Homo sapiens p53 binding protein mRNA, complete cd
 39637_at Cluster Incl. U14528:Human sulfate transporter (DTD) mRNA, complete cds
 39969_at Cluster Incl. AA255502:zr85b06.r1 Homo sapiens cDNA, 5 end /clone=IMAG
20 40701_at Cluster Incl. U75362:Homo sapiens isopeptidase T-3 (ISOT-3) mRNA, compl
 41438_at Cluster Incl. AL049923:Homo sapiens mRNA; cDNA DKFZp547E2210 (from
 clon
 41465_at Cluster Incl. AJ236885:Homo sapiens mRNA for ZBP-89 protein /cds=(391,2
 41466_s_at Cluster Incl. L04282:Human CACCC box-binding protein mRNA, complete c
25 41612_at Cluster Incl. AB007872:Homo sapiens KIAA0412 mRNA, partial cds /cds=(36
 31867_at Cluster Incl. AF052174:Homo sapiens clone 24630 mRNA sequence /cds=UNKN
 32127_at Cluster Incl. U90030:Homo sapiens bicaudal-D (BICD) mRNA, alternatively
 33805_at Cluster Incl. AB007949:Homo sapiens mRNA for KIAA0480 protein, complete
 34278_at Cluster Incl. L18960:Human protein synthesis factor (eIF-4C) mRNA, comp
30 34684_at Cluster Incl. L36140:Homo sapiens (clone 1311) DNA helicase (RECQL) mRN
 35211_at Cluster Incl. L07590:Human protein phosphatase 2A 130 kDa regulatory su
 35632_at Cluster Incl. U26710:Human cbl-b mRNA, complete cds /cds=(322,3270) /gb
 36002_at Cluster Incl. AB023229:Homo sapiens mRNA for KIAA1012 protein, complete
 36054_at Cluster Incl. AB020699:Homo sapiens mRNA for KIAA0892 protein, partial
35 37535_at Cluster Incl. M27691:Human transactivator protein (CREB) mRNA, complete
 37984_s_at Cluster Incl. M57763:Human ADP-ribosylation factor (hARF6) mRNA, comp
 38986_at Cluster Incl. Z49835:H.sapiens mRNA for protein disulfide isomerase /cd
 39419_at Cluster Incl. AB011088:Homo sapiens mRNA for KIAA0516 protein, partial
 39794_at Cluster Incl. D29956:Human mRNA for KIAA0055 gene, complete cds /cds=(3

- 40105_at Cluster Incl. M65131:Human methylmalonyl-CoA mutase (MCM) mRNA,
complet
- 40463_at Cluster Incl. U70322:Human transportin (TRN) mRNA, complete cds /cds=(9
- 40464_g_at Cluster Incl. U70322:Human transportin (TRN) mRNA, complete cds /cds=
- 5** 32802_at Cluster Incl. AB011169:Homo sapiens mRNA for KIAA0597 protein, partial
- 33418_at Cluster Incl. AL096752:Homo sapiens mRNA; cDNA DKFZp434A012 (from
clone
- 35373_at Cluster Incl. M61906:Human P13-kinase associated p85 mRNA sequence /cds
- 36944_f_at Cluster Incl. U72621:Human LOT1 mRNA, complete cds /cds=(657,2048) /g
- 10** 37661_at Cluster Incl. J04027:Human plasma membrane Ca²⁺ pumping ATPase mRNA, co
- 38368_at Cluster Incl. U31930:Human deoxyuridine nucleotidohydrolase mRNA, compl
- 38765_at Cluster Incl. AB028449:Homo sapiens mRNA for Helicase-MOI, complete cds
- 40217_s_at Cluster Incl. U65887:Human CDP-diacylglycerol synthase mRNA, complete
- 40260_g_at Cluster Incl. AL009266:H. sapiens cDNA similar to C. elegans RNA bind
- 15** 40604_at Cluster Incl. Y13493:Homo sapiens mRNA for protein kinase Dyrk2 /cds=(3
1818_at Ras-Like Protein Tc10
- 1785_at S66431 /FEATURE= /DEFINITION=S66431 RBP2=retinoblastoma binding protein
- 1602_at L33881 /FEATURE= /DEFINITION=HUMPKCI Human protein kinase C iota isoform
- 1603_g_at L33881 /FEATURE= /DEFINITION=HUMPKCI Human protein kinase C iota
- 20** isofo
- 1329_s_at U74382 /FEATURE= /DEFINITION=HSU74382 Human telomeric repeat DNA-
bindi
- 1269_at M61906 /FEATURE= /DEFINITION=HUMP13KIN Human P13-kinase associated p85 m
- 930_at L07590 /FEATURE= /DEFINITION=HUMPP2A130 Human protein phosphatase 2A 130
- 25** 877_at M27691 /FEATURE= /DEFINITION=HUMCREB Human transactivator protein (CREB)
- 663_at L18960 /FEATURE= /DEFINITION=HUMEIF4C Human protein synthesis factor (eIF
- 514_at U26710 /FEATURE= /DEFINITION=HSU26710 Human cbl-b mRNA, complete cds
- 462_at U70862 /FEATURE= /DEFINITION=HSU70862 Human nuclear factor I B3 mRNA, com
- 274_at L04282 /FEATURE= /DEFINITION=HUMTB Human CACCC box-binding protein
- 30** mRNA,
- METAGENE 434 :
- 34933_at Cluster Incl. AJ238381:Homo sapiens pax9 gene, exons 1-2 and joined CDS
- 35** 41496_at Cluster Incl. AL050189:Homo sapiens mRNA; cDNA DKFZp586B0323 (from
clon
- 1735_g_at M60556 /FEATURE=mRNA#1 /DEFINITION=HUMTGFB3B Human
transforming growth

METAGENE 435 :

- 35027_at Cluster Incl. X14830:Human mRNA for muscle acetylcholine receptor beta-
 32957_g_at Cluster Incl. AC002550:Human Chromosome 16 BAC clone CIT987SK-A-101F1
 5 34197_at Cluster Incl. X80907:H.sapiens mRNA for p85 beta subunit of phosphatidy
 35361_at Cluster Incl. W28299:44h4 Homo sapiens cDNA /gb=W28299 /gi=1308247 /ug=
 38482_at Cluster Incl. AJ011497:Homo sapiens mRNA for Claudin-7 /cds=(334,969) /
 40275_at Cluster Incl. AL046322:DKFZp434I087_r1 Homo sapiens cDNA, 5 end /clone
 41550_at Cluster Incl. AF091071:Homo sapiens clone 192 Rer1 mRNA, complete cds /
 10 1939_at M22898 /FEATURE=mRNA /DEFINITION=HUMP53A11 Human phosphoprotein p53
 gene
 1826_at M12174 /FEATURE= /DEFINITION=HUMRHOA Human ras-related rho mRNA (clone 6
 388_at X80907 /FEATURE= /DEFINITION=HSPHOSINK H.sapiens mRNA for p85 beta subuni

15 METAGENE 436 :

- 32394_s_at Cluster Incl. X55954:Human mRNA for HL23 ribosomal protein homologue
 32395_r_at Cluster Incl. X55954:Human mRNA for HL23 ribosomal protein homologue
 32435_at Cluster Incl. X63527:H.sapiens mRNA for ribosomal protein L19 /cds=(28,
 20 38272_at Cluster Incl. AF038844:Homo sapiens MKP-1 like protein tyrosine phospho
 32191_at Cluster Incl. D13969:Human mRNA for Mel-18 protein, complete cds /cds=(
 32192_g_at Cluster Incl. D13969:Human mRNA for Mel-18 protein, complete cds /cds
 35741_at Cluster Incl. U85245:Human phosphatidylinositol-4-phosphate 5-kinase ty
 36181_at Cluster Incl. X82456:H.sapiens MLN50 mRNA /cds=(75,860) /gb=X82456 /gi=
 25 40187_at Cluster Incl. AW016815:UI-H-BIO-aam-c-09-0-UI.s1 Homo sapiens cDNA, 3
 1309_at D26598 /FEATURE= /DEFINITION=HUMPSH1 Human mRNA for proteasome subunit H

METAGENE 437 :

- 30 36378_at Cluster Incl. AF085807:Homo sapiens uroplakin Ia mRNA, partial cds /cds
 39301_at Cluster Incl. X85030:H.sapiens mRNA for skeletal muscle-specific calpai
 39105_at Cluster Incl. Z46389:Homo sapiens encoding vasodilator-stimulated phosph
 1317_at X70040 /FEATURE=cds /DEFINITION=HSRON H.sapiens RON mRNA for tyrosine ki

35 METAGENE 438 :

- 39973_at Cluster Incl. U47926:Human unknown protein B mRNA, complete cds /cds=(8
 34390_at Cluster Incl. U90441:Human prolyl 4-hydroxylase alpha (II) subunit mRNA
 36990_at Cluster Incl. X04741:Human mRNA for protein gene product (PGP) 9.5 /cds

37345_at Cluster Incl. AF013759:Homo sapiens calumein (Calu) mRNA, complete cds
 39176_f_at Cluster Incl. M54994:Human bile salt-activated lipase (BAL) mRNA, com
 33127_at Cluster Incl. U89942:Human lysyl oxidase-related protein (WS9-14) mRNA,

5 METAGENE 439 :

31583_at Cluster Incl. X67247:H.sapiens rpS8 gene for ribosomal protein S8 /cds=
 31952_at Cluster Incl. X69391:H.sapiens mRNA for ribosomal protein L6 /cds=(26,8
 33485_at Cluster Incl. D23660:Human mRNA for ribosomal protein, complete cds /cd
 10 34008_at Cluster Incl. AF084465:Homo sapiens Ras-like GTP-binding protein REM mR
 34430_at Cluster Incl. U70732:Human glutamate pyruvate transaminase (GPT) gene,
 33752_at Cluster Incl. AB020657:Homo sapiens mRNA for KIAA0850 protein, complete
 36930_at Cluster Incl. L05425:Homo sapiens autoantigen mRNA, complete cds /cds=(
 41235_at Cluster Incl. AL022312:dJ1104E15.2 (activating transcription factor 4 (
 15 39811_at Cluster Incl. AA402538:zu48g06.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 41262_at Cluster Incl. AL021707:Human DNA sequence from clone 508I15 on chromoso

METAGENE 440 :

20 31350_at Cluster Incl. AC004597:Homo sapiens chromosome 19, cosmid F20722 /cds=(
 31439_f_at Cluster Incl. X63095:H.sapiens mRNA for rhesus polypeptide (RhVI) /cd
 31478_at Cluster Incl. M16653:Human pancreatic elastase IIB mRNA, complete cds /
 31590_g_at Cluster Incl. AL031983:dJ271M21.2 (hs6M1-12 (7 transmembrane receptor
 31775_at Cluster Incl. X65018:H.sapiens mRNA for lung surfactant protein D /cds=
 25 31785_f_at Cluster Incl. U92817:Homo sapiens unnamed HERV-H protein mRNA, comple
 31930_f_at Cluster Incl. X63096:H.sapiens mRNA for rhesus polypeptide (RhVIII) /
 31991_at Cluster Incl. AL049430:Homo sapiens mRNA; cDNA DKFZp586H201 (from
 clone
 32007_at Cluster Incl. W29045:55e12 Homo sapiens cDNA /gb=W29045 /gi=1309002 /ug
 30 32010_at Cluster Incl. Z82180:Human DNA sequence from clone E81G9 on chromosome
 32407_f_at Cluster Incl. U92818:Homo sapiens c33.28 unnamed HERV-H protein mRNA,
 33651_at Cluster Incl. AB013456:Homo sapiens hAQP8 mRNA for aquaporin 8, complet
 33670_at Cluster Incl. X74439:H.sapiens mRNA for estrogen receptor gene 5flankin
 34060_g_at Cluster Incl. AA586695:nn42h06.s1 Homo sapiens cDNA, 3 end /clone=IM
 35 34067_at Cluster Incl. AL022314:dJ1170K4.2 (novel Trypsin family protein with cl
 34139_at Cluster Incl. AL049651:Human DNA sequence from clone 753D10 on chromoso
 34634_s_at Cluster Incl. U68487:Human 5-hydroxytryptamine7 receptor isoform b mR
 34636_at Cluster Incl. M23892:Human 15-lipoxygenase mRNA, complete cds /cds=(3,1
 35091_at Cluster Incl. AA706226:ah28a07.s1 Homo sapiens cDNA, 3 end /clone=1240

	35536_at	Cluster Incl. AB011176:Homo sapiens mRNA for KIAA0604 protein, complete
	36332_at	Cluster Incl. U40391:Human serotonin N-acetyltransferase gene, complete
	36375_at	Cluster Incl. X74614:H.sapiens ODF2 (allele 2) gene for outer dense fib
	36407_at	Cluster Incl. AL050220:Homo sapiens mRNA; cDNA DKFZp586J1923 (from clon
5	36411_s_at	Cluster Incl. U29943:Human ELAV-like neuronal protein-2 Hel-N2 mRNA,
	32271_at	Cluster Incl. X16707:Human fra-1 mRNA /cds=(34,849) /gb=X16707 /gi=3146
	32866_at	Cluster Incl. AB011177:Homo sapiens mRNA for KIAA0605 protein, complete
	32898_at	Cluster Incl. U20582:Human actin-like peptide mRNA, partial cds /cds=(2
	32915_at	Cluster Incl. AL109730:Homo sapiens mRNA full length insert cDNA clone
10	33470_at	Cluster Incl. AF052177:Homo sapiens clone 24510 mRNA sequence /cds=UNKN
	33521_at	Cluster Incl. M63962:Human gastric H,K-ATPase catalytic subunit gene, c
	33545_at	Cluster Incl. M81758:Homo sapiens skeletal muscle voltage-dependent sod
	33568_at	Cluster Incl. U48861:Human beta 4 nicotinic acetylcholine receptor subu
	34425_at	Cluster Incl. AF031469:Homo sapiens MHC class I related protein 1 isofo
15	34457_at	Cluster Incl. U76010:Human putative zinc transporter ZnT-3 (ZnT-3) mRNA
	34527_r_at	Cluster Incl. AF052108:Homo sapiens clone 23687 mRNA sequence /cds=UN
	34981_at	Cluster Incl. M55513:Human potassium channel (HPCN1) mRNA, complete cds
	35485_at	Cluster Incl. X80818:H.sapiens mRNA for metabotropic glutamate receptor
	35899_at	Cluster Incl. AF109401:Homo sapiens neurotrophic factor artemin precurs
20	35915_at	Cluster Incl. X82540:H.sapiens mRNA for activin beta-C chain /cds=(127,
	35939_s_at	Cluster Incl. L20433:Human octamer binding transcription factor 1 (OT
	35950_at	Cluster Incl. U90841:Homo sapiens SSX4 (SSX4) mRNA, complete cds /cds=(
	36276_at	Cluster Incl. X67734:H.sapiens mRNA for transient axonal glycoprotein (
	36285_at	Cluster Incl. U07364:Human inwardly rectifying potassium channel mRNA,
25	36298_at	Cluster Incl. L14565:Human peripherin (PRPH) gene exons 1-9, complete c
	36702_at	Cluster Incl. AJ010277:Homo sapiens mRNA for TBX19 protein /cds=(51,139
	36706_at	Cluster Incl. Y15057:Homo sapiens mRNA for STK9 protein /cds=(221,3313)
	36754_at	Cluster Incl. X60435:H.sapiens gene PACAP for pituitary adenylate cycla
	37853_at	Cluster Incl. AI857458:w157e02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30	38507_at	Cluster Incl. X16867:Human mRNA for cytochrome P-450IID (clone pMP34) /
	38558_at	Cluster Incl. M29273:Human myelin-associated glycoprotein (MAG) mRNA, c
	38851_at	Cluster Incl. M63394:Human 3 nucleotide sequence mRNA /cds=UNKNOWN
	/gb=	
	38860_at	Cluster Incl. U66346:Homo sapiens cAMP phosphodiesterase (PDE4C) mRNA,
35	38897_at	Cluster Incl. AJ000730:Homo sapiens mRNA for cationic amino acid transp
	38942_r_at	Cluster Incl. W28610:49b12 Homo sapiens cDNA /gb=W28610 /gi=1308558 /
	39242_at	Cluster Incl. X96783:H.sapiens Syt V gene (genomic and cDNA sequence) /
	39245_at	Cluster Incl. U72507:Human 40871 mRNA partial sequence /cds=UNKNOWN /gb
	39990_at	Cluster Incl. U07559:Human ISL-1 (Islet-1) mRNA, complete cds /cds=(248

	40299_at	Cluster Incl. AF091890:Homo sapiens G-protein coupled receptor RE2 mRNA
	40317_at	Cluster Incl. U57352:Human sodium channel 1 (hBNC1) mRNA, complete cds
	40643_at	Cluster Incl. M34480:Human platelet glycoprotein IIb (GPIIb) mRNA, comp
	41647_at	Cluster Incl. W28742:51a7 Homo sapiens cDNA /gb=W28742 /gi=1308690 /ug=
5	32029_at	Cluster Incl. AF017995:Homo sapiens 3-phosphoinositide dependent protei
	32710_at	Cluster Incl. X83127:H.sapiens mRNA for voltage gated potassium channel
	33779_at	Cluster Incl. AF060538:Homo sapiens vesicle associated membrane protein
	34655_at	Cluster Incl. AI951832:wx38b09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35685_at	Cluster Incl. Z14000:H.sapiens RING1 gene /cds=(75,1208) /gb=Z14000 /gi
10	36011_at	Cluster Incl. AF035531:Homo sapiens syntaxin 10 mRNA, complete cds /cds
	36037_g_at	Cluster Incl. J05500:Human beta-spectrin (SPTB) mRNA, complete cds /c
	36546_r_at	Cluster Incl. AB011114:Homo sapiens mRNA for KIAA0542 protein, comple
	36815_at	Cluster Incl. AF038185:Homo sapiens clone 23700 mRNA sequence /cds=UNKN
	36883_at	Cluster Incl. X14640:Human mRNA for keratin 13 /cds=(42,1418) /gb=X1464
15	36907_at	Cluster Incl. M88468:Homo sapiens mevalonate kinase mRNA, complete cds
	37191_at	Cluster Incl. D87463:Human mRNA for KIAA0273 gene, complete cds /cds=(4
	37270_at	Cluster Incl. AF007876:Homo sapiens Na,K-ATPase beta 2 subunit gene, co
	38624_at	Cluster Incl. AF054506:Homo sapiens erythroid K-Cl cotransporter splici
	38646_s_at	Cluster Incl. AI763065:wi64h03.x1 Homo sapiens cDNA, 3 end /clone=IM
20	38660_at	Cluster Incl. F27891:HSPD16170 Homo sapiens cDNA /clone=s4000025D03 /gb
	40094_r_at	Cluster Incl. X80026:H.sapiens B-cam mRNA /cds=(6,1772) /gb=X80026 /g
	40442_f_at	Cluster Incl. W26019:18b9 Homo sapiens cDNA /gb=W26019 /gi=1306304 /u
	40507_at	Cluster Incl. K03195:Human (HepG2) glucose transporter gene mRNA, compl
	32810_at	Cluster Incl. AF019369:untitled /cds=(89,826) /gb=AF019369 /gi=2623563
25	34832_s_at	Cluster Incl. AB018306:Homo sapiens mRNA for KIAA0763 protein, comple
	35756_at	Cluster Incl. AF089816:Homo sapiens RGS-GAIP interacting protein GIPC m
	36615_at	Cluster Incl. M83751:Human arginine-rich protein (ARP) gene, complete c
	38027_at	Cluster Incl. X53742:H.sapiens mRNA for fibulin-1 B /cds=(10,1815) /gb=
	38048_at	Cluster Incl. D84110:Homo sapiens mRNA for RBP-MS/type 4, complete cds
30	38058_at	Cluster Incl. Z22865:H.sapiens dermatopontin mRNA, complete CDS /cds=(1
	38752_r_at	Cluster Incl. AA426364:zv61b06.s1 Homo sapiens cDNA, 3 end /clone=IM
	39468_r_at	Cluster Incl. W27081:22g5 Homo sapiens cDNA /gb=W27081 /gi=1306660 /u
	39472_s_at	Cluster Incl. W25985:17e6 Homo sapiens cDNA /gb=W25985 /gi=1306252 /u
	39870_at	Cluster Incl. AI377866:te63h04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
35	40595_at	Cluster Incl. AI345337:tb81g11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40919_at	Cluster Incl. M81830:Human somatostatin receptor isoform 2 (SSTR2) gene
	40938_at	Cluster Incl. Y13835:Homo sapiens mRNA for farnesylated-proteins conver
	40954_at	Cluster Incl. H94881:yu57f07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	40959_at	Cluster Incl. AB011171:Homo sapiens mRNA for KIAA0599 protein, partial

- 41351_at Cluster Incl. AA885106:am31h01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41361_at Cluster Incl. W28148:43f2 Homo sapiens cDNA /gb=W28148 /gi=1308159 /ug=
- 41793_at Cluster Incl. AI288757:qm11h01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41825_at Cluster Incl. W26652:34c6 Homo sapiens cDNA /gb=W26652 /gi=1307495 /ug=
- 5** 32560_s_at Cluster Incl. W30959:zc65h10.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 1552_i_at U22028 /FEATURE=expanded_cds /DEFINITION=HSU22028 Human cytochrome P45
- 1517_at J02906 /FEATURE=mRNA /DEFINITION=HUMCYPIIF Human cytochrome P450IIF1 pro
- 10** 1419_g_at D29675 /FEATURE=exon /DEFINITION=HUMNOSB Human inducible nitric oxide
- 1339_s_at X14675 /FEATURE=cds /DEFINITION=HSBCR3C Human bcr-abl mRNA 5 fragment
- 1289_at L02321 /FEATURE= /DEFINITION=HUMGSTM5 Human glutathione S-transferase (G
- 15** 1259_at L76568 /FEATURE=exons#13-14 /DEFINITION=HUMERCC4G Homo sapiens excision
- 1177_at Dna-Binding Protein Ap-2, Alt. Splice 3
- 1155_at J03069 /FEATURE=mRNA /DEFINITION=HUMMYCL2A Human MYCL2 gene, complete cd
- 1122_f_at K03183 /FEATURE=cds /DEFINITION=HUMCGBBA3 Human chorionic
- 20** gonadotropin
- 1032_at U11872 /FEATURE= /DEFINITION=HSU11872 Human interleukin-8 receptor type
- 730_r_atMucin 3, Intestinal
- 731_f_atMucin 3, Intestinal
- 732_f_atMucin 3, Intestinal
- 25** 420_at X65633 /FEATURE=cds /DEFINITION=HSACTHR H.sapiens ACTH-R gene for adrenoc
- 240_at M64231 /FEATURE=mRNA /DEFINITION=HUMSPERSYN Human spermidine synthase gen
- 121_at X69699 /FEATURE= /DEFINITION=HSPAX8A H.sapiens Pax8 mRNA
- 30** METAGENE 441 :
- 31382_f_at Cluster Incl. AF016492:Homo sapiens UDP-glucuronosyltransferase 2B mR
- 33068_f_at Cluster Incl. U08854:Human UDP glucuronosyltransferase precursor (UGT
- 41376_i_at Cluster Incl. J05428:Human 3,4-catechol estrogen UDP-glucuronosyltran
- 35** 41377_f_at Cluster Incl. J05428:Human 3,4-catechol estrogen UDP-glucuronosyltran
- METAGENE 442 :
- 34927_at Cluster Incl. M28826:Human thymocyte antigen CD1b mRNA, complete cds /c

37861_at Cluster Incl. X14975:Human CD1 R2 gene for MHC-related antigen /cds=(0,
 39925_at Cluster Incl. M95610:Human alpha 2 type IX collagen (COL9A2) mRNA, part
 1183_at D43767 /FEATURE= /DEFINITION=HUMAR Human mRNA for chemokine, complete cd

5 METAGENE 443 :

34556_at Cluster Incl. Z29074:H.sapiens mRNA for cytokeratin 9 /cds=(66,1937) /g
 37588_s_at Cluster Incl. U62317:Chromosome 22q13 BAC Clone CIT987SK-384D8 comple
 1256_at L38929 /FEATURE=mRNA /DEFINITION=HUMPTPD Homo sapiens protein tyrosine p

10

METAGENE 444 :

31544_at Cluster Incl. L13203:Human HNF-3/fork-head homolog-3 HFH-3 mRNA, comple
 32105_f_at Cluster Incl. U66063:Homo sapiens calcium/calmodulin-dependent protei

15

METAGENE 445 :

35118_at Cluster Incl. M12625:Human lecithin-cholesterol acyltransferase mRNA, c
 36267_at Cluster Incl. X77909:H.sapiens IKBL mRNA /cds=(68,1213) /gb=X77909 /gi=
20 37442_at Cluster Incl. AL050378:Homo sapiens mRNA; cDNA DKFZp586I1420 (from clon
 37489_s_at Cluster Incl. U05596:Human anion exchanger 3 brain isoform (bAE3) mRN
 38188_s_at Cluster Incl. L28821:Homo sapiens alpha mannosidase II isozyme mRNA,
 38592_s_at Cluster Incl. AI828210:wk81e09.x1 Homo sapiens cDNA, 3 end /clone=IM
 39261_at Cluster Incl. L16896:Human zinc finger protein mRNA, complete cds /cds=
25 41114_at Cluster Incl. AB018350:Homo sapiens mRNA for KIAA0807 protein, partial
 41698_at Cluster Incl. AL031685:dJ963K23.4 (KIAA0939 (novel Sodium/hydrogen exch
 31839_at Cluster Incl. AC004475:Homo sapiens chromosome 19, cosmid F23858 /cds=(
 32635_at Cluster Incl. AB029036:Homo sapiens mRNA for KIAA1113 protein, partial
 33300_at Cluster Incl. AL031282:dJ283E3.3.1 (Cell Division Cycle 2-Like 2 (PITSL
30 34200_at Cluster Incl. X83378:H.sapiens mRNA for putative chloride channel /cds=
 35652_g_at Cluster Incl. AF002715:Homo sapiens MAP kinase kinase kinase (MTK1) m
 36068_at Cluster Incl. AF002210:Homo sapiens copper chaperone for superoxide dis
 36562_at Cluster Incl. AB007887:Homo sapiens KIAA0427 mRNA, complete cds /cds=(2
 37269_at Cluster Incl. D38496:Human mRNA for LZTR-1, complete cds /cds=(862,2520
35 37596_at Cluster Incl. U09117:Human phospholipase c delta 1 mRNA, complete cds /
 40104_at Cluster Incl. D63780:Homo sapiens mRNA for YSK1, complete cds /cds=(114
 34406_at Cluster Incl. AB011174:Homo sapiens mRNA for KIAA0602 protein, partial
 35795_at Cluster Incl. AJ011972:Homo sapiens mRNA for histone deacetylase-like p
 37379_at Cluster Incl. X81789:H.sapiens mRNA for splicing factor SF3a60 /cds=(56

- 38440_s_at Cluster Incl. AA015605:ze20c12.s1 Homo sapiens cDNA, 3 end /clone=IM
 39115_at Cluster Incl. AL050275:Homo sapiens mRNA; cDNA DKFZp566D213 (from
 clone
 39129_at Cluster Incl. AF052134:Homo sapiens clone 23585 mRNA sequence /cds=UNKN
5 39551_at Cluster Incl. N98667:yy66d05.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
 39861_at Cluster Incl. M98343:Homo sapiens amplaxin (EMS1) mRNA, complete cds /c
 32502_at Cluster Incl. AL041124:DKFZp434D0316_s1 Homo sapiens cDNA, 3 end /clon
 160024_at X78342 /FEATURE=cds /DEFINITION=HSPISLRE H.sapiens PISLRE mRNA
 /NOTE
- 10**
- METAGENE 446 :
- 37864_s_at Cluster Incl. Y14737:Homo sapiens mRNA for immunoglobulin lambda heav
 38194_s_at Cluster Incl. M63438:Human Ig rearranged gamma chain mRNA, V-J-C regi
15 33273_f_at Cluster Incl. X57809:Human rearranged immunoglobulin lambda light cha
 33274_f_at Cluster Incl. M18645:Human Ig rearranged lambda-chain mRNA VJC-region
 41827_f_at Cluster Incl. AI932613:wo05c02.x1 Homo sapiens cDNA, 3 end /clone=IM
- METAGENE 447 :
- 20**
- 31451_at Cluster Incl. U62794:Human CDC42 GAP-related protein mRNA, partial cds
 31699_at Cluster Incl. S67334:phosphatidylinositol 3-kinase p110 beta isoform=11
 35597_at Cluster Incl. AJ000480:Homo sapiens mRNA for C8FW phosphoprotein /cds=(
 33989_f_at Cluster Incl. W28869:53h2 Homo sapiens cDNA /gb=W28869 /gi=1308880 /u
25 34533_at Cluster Incl. AF038192:Homo sapiens clone 23808 mRNA sequence /cds=UNKN
 36262_at Cluster Incl. Z12173:H.sapiens GNS mRNA encoding glucosamine-6-sulphata
 36263_g_at Cluster Incl. Z12173:H.sapiens GNS mRNA encoding glucosamine-6-sulpha
 36696_at Cluster Incl. AB000359:Homo sapiens PIGCP1 pseudogene /cds=(0,416) /gb=
 37111_g_at Cluster Incl. AB012229:Homo sapiens gene for fructose-6-phosphate,2-k
30 37528_at Cluster Incl. U03109:Human aspartyl beta-hydroxylase mRNA, complete cds
 37886_at Cluster Incl. AB015332:Homo sapiens HRIHFB2018 mRNA, partial cds /cds=(
 38207_at Cluster Incl. AW006742:wr28g10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 39277_at Cluster Incl. U60805:Human oncostatin-M specific receptor beta subunit
 40696_at Cluster Incl. U50062:Homo sapiens RIP protein kinase mRNA, complete cds
35 41390_at Cluster Incl. X69086:H.sapiens mRNA for utrophin /cds=(0,10301) /gb=X69
 34725_at Cluster Incl. M73077:Human glucocorticoid receptor repression factor 1
 34742_at Cluster Incl. Z23115:H.sapiens bcl-xL mRNA /cds=(134,835) /gb=Z23115 /g
 39694_at Cluster Incl. W27517:31h6 Homo sapiens cDNA /gb=W27517 /gi=1307321 /ug=
 40493_at Cluster Incl. L05424:Human hyaluronate receptor (CD44) gene /cds=(136,2

- 40847_at Cluster Incl. AB018293:Homo sapiens mRNA for KIAA0750 protein, complete
- 41144_g_at Cluster Incl. U12022:Human calmodulin (CALM1) gene /cds=(199,648) /gb
- 41226_at Cluster Incl. L05147:Human dual specificity phosphatase tyrosine/serine
- 41782_g_at Cluster Incl. U22815:Human LAR-interacting protein 1a mRNA, complete
- 5 33372_at Cluster Incl. AI189226:qd04h11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33843_g_at Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds
- 39522_at Cluster Incl. D49817:Homo sapiens mRNA for 6-phosphofructo-2-kinase/fru
- 39523_at Cluster Incl. AF038897:Homo sapiens syntaxin 16 mRNA, complete cds /cds
- 39537_at Cluster Incl. X98248:H.sapiens mRNA for sortilin /cds=(21,2522) /gb=X98
- 10 40553_at Cluster Incl. AI742087:wg38g10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 40608_at Cluster Incl. AA013087:ze27c09.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 40984_at Cluster Incl. W28255:44b8 Homo sapiens cDNA /gb=W28255 /gi=1308203 /ug=
- 41287_s_at Cluster Incl. W28510:48f3 Homo sapiens cDNA /gb=W28510 /gi=1308521 /u
- 2082_s_at L08599 /FEATURE= /DEFINITION=HUMUVOECAD Human uvomorulin (E-
- 15 cadherin)
- 1917_at X03484 /FEATURE=cds /DEFINITION=HSRAFR Human mRNA for raf oncogene
- 1793_at M80629 /FEATURE= /DEFINITION=HUMCHED Human cdc2-related protein kinase (
- 1615_at Z23115 /FEATURE=cds /DEFINITION=HSBCLXL H.sapiens bcl-xL mRNA
- 1439_s_at X75346 /FEATURE=cds /DEFINITION=HSMAPKAP H.sapiens mRNA for MAP
- 20 kinase
- 1034_at U14394 /FEATURE= /DEFINITION=HSU14394 Human tissue inhibitor of metallopro
- 1045_s_at U33838 /FEATURE= /DEFINITION=HSU33838 Human NF-kappa-B p65delta3
- mRNA,
- 973_at Y10032 /FEATURE=cds /DEFINITION=HSRNASTPK H.sapiens mRNA for putative ser
- 25 867_s_at U12471 /FEATURE=cds#2 /DEFINITION=HSU12471 Human thrombospondin-1
- gene,
- 727_at Ornithine Aminotransferase-Like 3
- 622_at M28212 /FEATURE= /DEFINITION=HUMRAB6A Homo sapiens GTP-binding protein (R
- 517_at U07000 /FEATURE=cds#4 /DEFINITION=HSU07000 Human breakpoint cluster regio
- 30 435_g_at X03473 /FEATURE=cds /DEFINITION=HSHIS10G Human gene for histone
- H1(0)
- METAGENE 448 :
- 35 37178_at Cluster Incl. M74089:Human TB1 gene mRNA, 3 end /cds=(0,1305) /gb=M740
- METAGENE 449 :
- 38210_at Cluster Incl. Z35094:H.sapiens mRNA for SURF-2 /cds=(17,787) /gb=Z35094

- 39643_at Cluster Incl. U94703:Homo sapiens mitochondrial DNA polymerase accessor
 40322_at Cluster Incl. D12763:Homo sapiens mRNA for ST2 protein /cds=(46,1032) /
 34695_at Cluster Incl. AI816724:wj43c06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 37959_at Cluster Incl. D63876:Human mRNA for KIAA0154 gene, partial cds /cds=(0,
5 38991_at Cluster Incl. U55980:HSU55980 Homo sapiens cDNA, 3 end /clone=25453 /c
 38762_at Cluster Incl. AF083255:Homo sapiens RNA helicase-related protein mRNA,
 39151_at Cluster Incl. AL031290:Human DNA sequence from clone 774I24 on chromoso

METAGENE 450 :

10

- 38551_at Cluster Incl. U52112:neural cell adhesion molecule L1 /cds=(19,3792) /g
 41473_at Cluster Incl. L05779:Human cytosolic epoxide hydrolase mRNA, complete c
 40824_at Cluster Incl. AB018288:Homo sapiens mRNA for KIAA0745 protein, partial

15 METAGENE 451 :

- 35919_at Cluster Incl. J05068:human transcobalamin I mRNA, complete cds /cds=(75
 39939_at Cluster Incl. D21337:Human mRNA for collagen /cds=(234,5270) /gb=D21337
 39940_at Cluster Incl. AL080094:Homo sapiens mRNA; cDNA DKFZp564O1262 (from
20 clon
 33763_at Cluster Incl. AI829671:wf09b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 32163_f_at Cluster Incl. AA216639:zq95f07.s1 Homo sapiens cDNA, 3 end /clone=IM
 38068_at Cluster Incl. M63175:Human autocrine motility factor receptor mRNA /cds

25 METAGENE 452 :

- 34666_at Cluster Incl. X07834:Human mRNA for manganese superoxide dismutase (EC
 35309_at Cluster Incl. U20428:Human SNC19 mRNA sequence /cds=UNKNOWN
 /gb=U20428

30

METAGENE 453 :

- 34585_at Cluster Incl. L07919:Human homeodomain protein DLX-2 mRNA, 3 end /cds=
 35009_at Cluster Incl. U33837:Human glycoprotein receptor gp330 precursor, mRNA,
35 37833_at Cluster Incl. J02943:Human corticosteroid binding globulin mRNA, comple
 39266_at Cluster Incl. AF070632:Homo sapiens clone 24405 mRNA sequence /cds=UNKN
 40291_r_at Cluster Incl. L13972:Homo sapiens beta-galactoside alpha-2,3-sialyltr
 35183_at Cluster Incl. U78735:Human ABC3 mRNA, complete cds /cds=(559,5673) /gb=
 35227_at Cluster Incl. U72066:Homo sapiens CtBP interacting protein CtIP (CtIP)

- 35643_at Cluster Incl. X76732:H.sapiens mRNA for NEFA protein /cds=(219,1481) /g
- 37274_at Cluster Incl. AF018631:untitled /cds=(35,1666) /gb=AF018631 /gi=2674074
- 37639_at Cluster Incl. X07732:Human hepatoma mRNA for serine protease hepsin /cd
- 39033_at Cluster Incl. Z78368:HSZ78368 Homo sapiens cDNA /clone=3.142-(CEPH) /gb
- 5 33353_at Cluster Incl. W26466:32f11 Homo sapiens cDNA /gb=W26466 /gi=1307372 /ug
- 34792_at Cluster Incl. AL049954:Homo sapiens mRNA; cDNA DKFZp564A1523 (from
clon
- 34808_at Cluster Incl. AB023216:Homo sapiens mRNA for KIAA0999 protein, partial
- 35283_at Cluster Incl. H05692:y176b12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 10 38449_at Cluster Incl. W28931:56f3 Homo sapiens cDNA /gb=W28931 /gi=1309086 /ug=
- 40278_at Cluster Incl. AB029003:Homo sapiens mRNA for KIAA1080 protein, partial
- 40936_at Cluster Incl. AI651806:wb55f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41302_at Cluster Incl. R59606:yh02e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 260_at M16447 /FEATURE= /DEFINITION=HUMDHPRA Human dihydropteridine reductase (h
- 15
- METAGENE 454 :
- 31522_f_at Cluster Incl. Z80779:H.sapiens H2B/g gene /cds=(0,380) /gb=Z80779 /gi
- 31523_f_at Cluster Incl. Z80780:H.sapiens H2B/h gene /cds=(0,380) /gb=Z80780 /gi
- 20 31524_f_at Cluster Incl. Z80782:H.sapiens H2B/k gene /cds=(0,380) /gb=Z80782 /gi
- 31528_f_at Cluster Incl. Z83738:H.sapiens hH2B/e gene /cds=(0,380) /gb=Z83738 /g
- 31693_f_at Cluster Incl. Z80776:H.sapiens H2A/g gene /cds=(0,392) /gb=Z80776 /gi
- 34157_f_at Cluster Incl. AI200373:qf98c03.x1 Homo sapiens cDNA, 3 end /clone=IM
- 35127_at Cluster Incl. AI039144:ox31b09.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 25 35576_f_at Cluster Incl. AL009179:dJ97D16.4 (Histone H2B) /cds=(25,405) /gb=AL00
- 36347_f_at Cluster Incl. AA873858:oh79b10.s1 Homo sapiens cDNA, 3 end /clone=IM
- 32980_f_at Cluster Incl. AI688098:wc92f08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 34964_at Cluster Incl. N35832:yx89b10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 36757_at Cluster Incl. AL009179:dJ97D16.6 (Histone H3.1) /cds=(10,420) /gb=AL009
- 30 38576_at Cluster Incl. AJ223353:Homo sapiens mRNA for histone H2B, clone pJG4-5-
- 39697_at Cluster Incl. U26726:Human 11-beta-hydroxysteroid dehydrogenase type 2
- 32819_at Cluster Incl. AJ223352:Homo sapiens mRNA for for histone H2B, clone pjG
- 33352_at Cluster Incl. X57985:H.sapiens genes for histones H2B.1 and H2A /cds=(4
- 34308_at Cluster Incl. U90551:Human histone 2A-like protein (H2A/I) mRNA, comple
- 35 37018_at Cluster Incl. AI189287:qd05c04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32609_at Cluster Incl. AI885852:wl62d08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 762_f_at AB000905 /FEATURE=cds /DEFINITION=AB000905 Homo sapiens DNA for H4 hist
- 286_at L19779 /FEATURE= /DEFINITION=HUMH2A2A Homo sapiens histone H2A.2 mRNA,
- co

153_f_atX00088 /FEATURE=cds /DEFINITION=HSHISH2B Human histone H2b gene

METAGENE 455 :

- 5** 35021_at Cluster Incl. U89326:Homo sapiens bone morphogenetic protein receptor t
32323_at Cluster Incl. M63582:Human preprothyrotropin-releasing hormone gene /cd
33527_at Cluster Incl. U39196:Human clone hGIRK1 G-protein coupled inwardly rect
36250_at Cluster Incl. AI889718:wo17c04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
36326_at Cluster Incl. M96740:Human NSCL-2 gene sequence /cds=UNKNOWN
- 10** /gb=M96740
38174_at Cluster Incl. X99688:H.sapiens mRNA from TYL gene /cds=(1806,3743) /gb=
38225_at Cluster Incl. AF052728:Homo sapiens HERG-USO (HERG) mRNA, alternatively
39619_at Cluster Incl. AF070551:Homo sapiens clone 24515 mRNA sequence /cds=UNKN
32717_at Cluster Incl. AF029729:Homo sapiens neuralized mRNA, complete cds /cds=
- 15** 37545_at Cluster Incl. W22110:64F11 Homo sapiens cDNA /clone=(not-directional) /
33426_at Cluster Incl. Y00064:Human mRNA for secretogranin I (chromogranin B) /c
34847_s_at Cluster Incl. AF112471:Homo sapiens calcium/calmodulin-dependent prot
36160_s_at Cluster Incl. U81561:Human protein tyrosine phosphatase receptor pi (
40272_at Cluster Incl. D78012:Homo sapiens mRNA for dihydropyrimidinase related
- 20** 40543_at Cluster Incl. L08424:Homo sapiens achaete scute homologous protein (ASH
40544_g_at Cluster Incl. L08424:Homo sapiens achaete scute homologous protein (A
41280_r_at Cluster Incl. AF007134:Homo sapiens clone 23565 unknown mRNA, partial
41325_at Cluster Incl. AF006823:Homo sapiens TWIK-related acid-sensitive K⁺ chan
41792_at Cluster Incl. L78207:Homo sapiens sulfonylurea receptor (SUR1) mRNA, co
- 25** 33157_at Cluster Incl. M93119:Human zinc-finger DNA-binding motifs (IA-1) mRNA,

METAGENE 456 :

- 30** 33610_at Cluster Incl. AL049977:Homo sapiens mRNA; cDNA DKFZp564C122 (from
clone
33611_g_at Cluster Incl. AL049977:Homo sapiens mRNA; cDNA DKFZp564C122 (from clo
35071_s_at Cluster Incl. AF042377:Homo sapiens GDP-mannose 4,6 dehydratase mRNA,
36806_at Cluster Incl. X83877:H.sapiens mRNA for ABP/ZF /cds=(364,684) /gb=X8387
38952_s_at Cluster Incl. M33653:Human (clones HT-[125,133]) alpha-2 type IV coll
- 35** 40356_at Cluster Incl. AB026833:Homo sapiens mRNA for chloride channel protein,
41424_at Cluster Incl. L48516:Homo sapiens paraoxonase 3 (PON3) mRNA, 3 end of
37637_at Cluster Incl. U27655:Human RGP3 mRNA, complete cds /cds=(287,1846) /gb=
39080_at Cluster Incl. M88458:Human ELP-1 mRNA sequence /cds=UNKNOWN
/gb=M88458

- 32756_at Cluster Incl. AF030249:Homo sapiens putative dienoyl-CoA isomerase (ECH
36963_at Cluster Incl. U30255:Human phosphogluconate dehydrogenase (hPGDH) gene,
37044_at Cluster Incl. D49490:Homo sapiens mRNA for protein disulfide isomerase-
38469_at Cluster Incl. M35252:Human CO-029 /cds=(137,850) /gb=M35252 /gi=180925
5 39171_at Cluster Incl. W21787:58b10 Homo sapiens cDNA /clone=(not-directional) /
39805_at Cluster Incl. AF070598:Homo sapiens clone 24410 ABC transporter mRNA, p
40976_at Cluster Incl. AF052432:Homo sapiens katanin p80 subunit mRNA, complete
41489_at Cluster Incl. M99435:Human transducin-like enhancer protein (TLE1) mRNA
32567_at Cluster Incl. D10704:Human mRNA for choline kinase /cds=(27,1397) /gb=D
- 10
METAGENE 457 :
- 41095_at Cluster Incl. X52221:H.sapiens ERCC2 gene, exons 1 & 2 (partial) /cds=U
34854_at Cluster Incl. AC004382:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-
15 35269_at Cluster Incl. AF093420:Homo sapiens Hsp70 binding protein HspBP1 mRNA,
35758_at Cluster Incl. AB024301:Homo sapiens mRNA for RuvB-like DNA helicase TIP
37299_at Cluster Incl. J04501:Human muscle glycogen synthase mRNA, complete cds
371_at Z56281 /FEATURE=cds /DEFINITION=HSIRF3MR H.sapiens mRNA for interferon re
- 20 METAGENE 458 :
- 38922_at Cluster Incl. AF097738:Homo sapiens non-receptor tyrosine kinase (TNK1)
40015_at Cluster Incl. AB002301:Human mRNA for KIAA0303 gene, partial cds /cds=(
39358_at Cluster Incl. U37146:Human silencing mediator of retinoid and thyroid h
25 39715_at Cluster Incl. W28214:45f7 Homo sapiens cDNA /gb=W28214 /gi=1308297 /ug=
40791_at Cluster Incl. X63564:H.sapiens mRNA for RNA polymerase II largest subun
33833_at Cluster Incl. J05243:Human nonerythroid alpha-spectrin (SPTAN1) mRNA, c
37767_at Cluster Incl. L12392:Homo sapiens Huntingtons Disease (HD) mRNA, comple
1523_g_at U43408 /FEATURE= /DEFINITION=HSU43408 Human tyrosine kinase (Tnk1)
30 mRN
- 1496_at M34668 /FEATURE= /DEFINITION=HUMPTPAAA Human protein tyrosine phosphatas
1277_at D89016 /FEATURE= /DEFINITION=D89016 Homo sapiens mRNA for Neuroblastoma,
- METAGENE 459 :
- 35
34282_at Cluster Incl. AB010812:Homo sapiens Nrf3 mRNA for NF-E2-related factor
36082_at Cluster Incl. S71326:BGPC=biliary glycoprotein adhesion molecule {alter
547_s_at S77154 /FEATURE= /DEFINITION=S77154 TINUR= NGFI-B/nur77 beta-type
trans

METAGENE 460 :

- 36736_f_at Cluster Incl. Y10275:H.sapiens mRNA for L-3-phosphoserine phosphatase
5 39570_at Cluster Incl. W22289:65G5 Homo sapiens cDNA /clone=(not-directional) /g
 37208_at Cluster Incl. AJ001612:Homo sapiens mRNA for L-3-phosphoserine-phosphat
 37209_g_at Cluster Incl. AJ001612:Homo sapiens mRNA for L-3-phosphoserine-phosph
 32564_at Cluster Incl. AA083129:zn31a06.s1 Homo sapiens cDNA, 3 end /clone=IMAG

10 METAGENE 461 :

- 31737_at Cluster Incl. J00068:Human adult skeletal muscle alpha-actin mRNA /cds=
 32123_at Cluster Incl. L02870:Human alpha-1 type VII collagen (COL7A1) mRNA, com
 38356_at Cluster Incl. M19481:Human follistatin gene /cds=(0,953) /gb=M19481 /gi
15 37028_at Cluster Incl. U83981:Homo sapiens apoptosis associated protein (GADD34)
 37658_at Cluster Incl. L13720:Homo sapiens growth-arrest-specific protein (gas)
 2053_at M34064 /FEATURE= /DEFINITION=HUMNCADH Human N-cadherin mRNA, complete
 cd
 1597_at L13720 /FEATURE= /DEFINITION=HUMGAS Homo sapiens growth-arrest-specific
20 1598_g_at L13720 /FEATURE= /DEFINITION=HUMGAS Homo sapiens growth-arrest-
 specifi
 1573_at M12783 /FEATURE=mRNA /DEFINITION=HUMSISPDG Human c-sis/platelet-derived

METAGENE 462 :

- 25**
 31701_r_at Cluster Incl. X83412:H.sapiens B1 mRNA for mucin /cds=(0,515) /gb=X83
 35879_at Cluster Incl. M77140:H.sapiens pro-galanin mRNA, 3 end /cds=(0,323) /g
 35966_at Cluster Incl. X71125:H.sapiens mRNA for glutamine cyclotransferase /cds
 34765_at Cluster Incl. D13645:Human mRNA for KIAA0020 gene, complete cds /cds=(4
30 38657_s_at Cluster Incl. M20471:Human brain-type clathrin light-chain a mRNA, co

METAGENE 463 :

- 41633_at Cluster Incl. AL050283:Homo sapiens mRNA; cDNA DKFZp586K0919 (from
35 clon
 36564_at Cluster Incl. W27419:31a10 Homo sapiens cDNA /gb=W27419 /gi=1307241 /ug
 37916_at Cluster Incl. AI086057:oz44f07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 37940_f_at Cluster Incl. AA806768:ob91d06.s1 Homo sapiens cDNA /clone=IMAGE-1338
 38686_at Cluster Incl. X71490:H.sapiens mRNA for vacuolar proton ATPase, subunit

- 35753_at Cluster Incl. AB007510:Homo sapiens mRNA for PRP8 protein, complete cds
 37364_at Cluster Incl. U72511:Human B-cell receptor associated protein (hBAP) mR
 771_s_at D00749 /FEATURE=cds /DEFINITION=HUMCD7G3 Human T cell surface antigen C
- 5** 570_at M83221 /FEATURE= /DEFINITION=HUMIRELA Homo sapiens I-Rel mRNA, complete c
 160022_at X03663 /FEATURE=cds /DEFINITION=HSCFMS Human mRNA for c-fms proto-onco
- 10** METAGENE 464 :
- 37205_at Cluster Incl. AB020647:Homo sapiens mRNA for KIAA0840 protein, partial
 35744_at Cluster Incl. D50931:Human mRNA for KIAA0141 gene, complete cds /cds=(8
 1754_at AF006041 /FEATURE= /DEFINITION=AF006041 Homo sapiens Fas-binding protein
- 15** METAGENE 465 :
- 31706_at Cluster Incl. L13283:Homo sapiens (clone MG2-5-12) mucin (MG2) mRNA, co
 38350_f_at Cluster Incl. AF005392:Homo sapiens alpha tubulin (TUBA2) gene, parti
20 40095_at Cluster Incl. J03037:Human carbonic anhydrase II mRNA, complete cds /cd
 41233_at Cluster Incl. AB014888:Homo sapiens mRNA for MRJ, complete cds /cds=(10
 1052_s_at M83667 /FEATURE=mRNA /DEFINITION=HUMNFIL6BA Human NF-IL6-beta protein
 685_f_atK03460 /FEATURE=cds /DEFINITION=HUMTUBA2H Human alpha-tubulin isotype H
- 25** METAGENE 466 :
- 41439_at Cluster Incl. AJ001381:Homo sapiens incomplete cDNA for a mutated allele
 32107_at Cluster Incl. AL050173:Homo sapiens mRNA; cDNA DKFZp586F0422 (from
30 clon
 34246_at Cluster Incl. AA418437:zv92d11.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 35193_at Cluster Incl. AF060219:Homo sapiens RCC1-like G exchanging factor RLG m
 36009_at Cluster Incl. AF091092:Homo sapiens clone 683 unknown mRNA, complete se
 37539_at Cluster Incl. AB023176:Homo sapiens mRNA for KIAA0959 protein, partial
35 39070_at Cluster Incl. U03057:Human actin bundling protein (HSN) mRNA, complete
 39345_at Cluster Incl. AI525834:PT1.3_06_D01.r Homo sapiens cDNA, 5 end /clone_
 39416_at Cluster Incl. U90913:Human clone 23665 mRNA sequence /cds=UNKNOWN
 /gb=U
 39690_at Cluster Incl. AF002282:Homo sapiens alpha-actinin-2 associated LIM prot

- 40113_at Cluster Incl. D87119:Homo sapiens mRNA for GS3955, complete cds /cds=(1
33867_s_at Cluster Incl. X77494:H.sapiens MSSP-2 mRNA /cds=(231,1400) /gb=X77494
36943_r_at Cluster Incl. U81992:Homo sapiens C2H2 zinc finger protein PLAGL1 (PL
37399_at Cluster Incl. D17793:Human mRNA for KIAA0119 gene, complete cds /cds=(5
5 41274_at Cluster Incl. AA908993:ol10d03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
41504_s_at Cluster Incl. AF055376:Homo sapiens short form transcription factor C
1535_at U68723 /FEATURE= /DEFINITION=HSU68723 Human checkpoint suppressor 1 mRNA
717_at D87119 /FEATURE= /DEFINITION=D87119 Homo sapiens mRNA for GS3955, complet
- 10** METAGENE 467 :
- 37117_at Cluster Incl. Z83838:Human DNA sequence from PAC 127B20 on chromosome 2
39668_at Cluster Incl. X95694:H.sapiens mRNA for AP-2 beta transcription factor
41715_at Cluster Incl. Y11312:H.sapiens mRNA for phosphoinositide 3-kinase /cds=
15 35792_at Cluster Incl. U67963:Human lysophospholipase homolog (HU-K5) mRNA, comp
39837_s_at Cluster Incl. AC004877:Homo sapiens PAC clone DJ0751H13 from 7q35-qte
1709_g_at U07620 /FEATURE= /DEFINITION=HSU07620 Human MAP kinase mRNA,
complete
- 20** METAGENE 468 :
- 33875_at Cluster Incl. AI547262:PN001_AH_H03.r Homo sapiens cDNA, 5 end /clone_
36955_at Cluster Incl. U10362:Human GP36b glycoprotein mRNA, complete cds /cds=(
37030_at Cluster Incl. AB020694:Homo sapiens mRNA for KIAA0887 protein, partial
25 41322_s_at Cluster Incl. AI816034:au44e05.x1 Homo sapiens cDNA, 3 end /clone=IM
549_at S80343 /FEATURE= /DEFINITION=S80343 ArgRS=arginyl-tRNA synthetase [human,
- METAGENE 469 :
- 30** 33466_at Cluster Incl. AF038182:Homo sapiens clone 23860 mRNA sequence /cds=UNKN
35922_at Cluster Incl. Y08982:H.sapiens mRNA for synaptonemal complex lateral el
38524_at Cluster Incl. U49184:Human occludin mRNA, complete cds /cds=(167,1735)
32034_at Cluster Incl. AF041259:Homo sapiens breast cancer putative transcriptio
32063_at Cluster Incl. M86546:H.sapiens PBX1a and PBX1b mRNA, complete cds /cds=
35 41783_at Cluster Incl. M97815:Human retinoic acid-binding protein II (CRABP-II)
34863_s_at Cluster Incl. W29030:55c4 Homo sapiens cDNA /gb=W29030 /gi=1308987 /u
36201_at Cluster Incl. D13315:Human mRNA for lactoyl glutathione lyase /cds=(87,
32598_at Cluster Incl. D83018:Homo sapiens mRNA for nel-related protein 2, compl

1079_g_at M31661 /FEATURE= /DEFINITION=HUMPRLR Human prolactin (PRL)
receptor mR
1057_at M97815 /FEATURE=expanded_cds /DEFINITION=HUMCRABP02 Human retinoic acid-

5 METAGENE 470 :

31587_at Cluster Incl. X96969:H.sapiens mRNA for urea transporter /cds=(273,1466
33277_at Cluster Incl. AB028996:Homo sapiens mRNA for KIAA1073 protein, complete
37210_at Cluster Incl. S78296:neurofilament-66 [human, fetal brain, mRNA, 3197 n
10 38371_at Cluster Incl. M64992:Human prosomal protein P30-33K (pros-30) mRNA, com
40973_at Cluster Incl. AI146846:qb92h04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
41584_at Cluster Incl. AF062529:Homo sapiens clone 486790 diphosphoinositol poly
1549_s_at U19557 /FEATURE= /DEFINITION=HSU19557 Human squamous cell carcinoma
an

15

METAGENE 471:

38204_at Cluster Incl. AB007866:Homo sapiens KIAA0406 mRNA, complete cds /cds=(1
38501_s_at Cluster Incl. U37139:Human beta 3-endonexin mRNA, long form and short
20 33737_f_at Cluster Incl. AI871359:wl81b11.x1 Homo sapiens cDNA, 3 end /clone=IM
35246_at Cluster Incl. U18934:Human receptor tyrosine kinase (DTK) mRNA, complet
35993_s_at Cluster Incl. AI698103:we20h11.x1 Homo sapiens cDNA, 3 end /clone=IM
38324_at Cluster Incl. AD000684:Homo sapiens DNA from chromosome 19-cosmid R3087
32753_at Cluster Incl. D13642:Human mRNA for KIAA0017 gene, complete cds /cds=(1
25 32825_at Cluster Incl. Y10805:H.sapiens mRNA for arginine methyltransferase, spl
2086_s_at D17517 /FEATURE= /DEFINITION=HUMSKY Human sky mRNA for Sky,
complete c

METAGENE 472 :

30

38518_at Cluster Incl. Y18004:Homo sapiens mRNA for SCML2 protein /cds=(91,2193)
40303_at Cluster Incl. U85658:Human transcription factor ERF-1 mRNA, complete cd
31836_at Cluster Incl. L34600:Human nuclear-encoded mitochondrial initiation fac
32674_at Cluster Incl. D83032:Homo sapiens mRNA for nuclear protein, NP220, comp
35 34276_at Cluster Incl. AB023197:Homo sapiens mRNA for KIAA0980 protein, partial
34739_at Cluster Incl. W26023:18c3 Homo sapiens cDNA /gb=W26023 /gi=1306308 /ug=
36849_at Cluster Incl. U90920:Human PTPL1-associated RhoGAP mRNA, complete cds /
37229_at Cluster Incl. U49844:Human FRAP-related protein (FRP1) mRNA, complete c
37561_at Cluster Incl. AL031778:dJ34B21.4.1 (nuclear transcription factor Y, alp

- 37895_at Cluster Incl. D87969:Homo sapiens mRNA for CMP-sialic acid transporter,
 38256_s_at Cluster Incl. W21827:57E11 Homo sapiens cDNA /clone=(not-directional)
 38684_at Cluster Incl. AJ010953:Homo sapiens mRNA for putative Ca2+-transporting
 40810_at Cluster Incl. U66615:Human SWI/SNF complex 155 KDa subunit (BAF155) mRN
 5 33357_at Cluster Incl. AB011159:Homo sapiens mRNA for KIAA0587 protein, complete
 33373_at Cluster Incl. AL049951:Homo sapiens mRNA; cDNA DKFZp564O0122 (from
 clon
 33852_at Cluster Incl. M77142:Human polyadenylate binding protein (TIA-1) mRNA,
 34372_at Cluster Incl. AB002310:Human mRNA for KIAA0312 gene, partial cds /cds=(
 10 35764_at Cluster Incl. Y15164:Homo sapiens mRNA for protein encoded by cxorf5 (7
 37312_at Cluster Incl. D50917:Human mRNA for KIAA0127 gene, complete cds /cds=(2
 37678_at Cluster Incl. U23070:Human putative transmembrane protein (nma) mRNA, c
 38086_at Cluster Incl. AB007935:Homo sapiens mRNA for KIAA0466 protein, partial
 860_at U03911 /FEATURE= /DEFINITION=HSU03911 Human mutator gene (hMSH2) mRNA,
 15 co
 525_g_at U13695 /FEATURE=cds /DEFINITION=HSU13695 Human homolog of yeast
 mutL (h
 METAGENE 473 :
 20
 40024_at Cluster Incl. D86640:Homo sapiens mRNA for stac, complete cds /cds=(39,
 34771_at Cluster Incl. AF035959:Homo sapiens type-2 phosphatidic acid phosphatas
 38248_at Cluster Incl. AB011124:Homo sapiens mRNA for KIAA0552 protein, complete
 38249_at Cluster Incl. Z97632:dJ196E23.1.1 (novel protein) (isoform 1) /cds=(155
 25 34395_at Cluster Incl. AB002352:Human mRNA for KIAA0354 gene, complete cds /cds=
 35276_at Cluster Incl. AB000712:Homo sapiens hCPE-R mRNA for CPE-receptor, compl
 METAGENE 474 :
 30 32883_at Cluster Incl. X77744:H.sapiens F11 mRNA /cds=UNKNOWN /gb=X77744
 /gi=456
 32640_at Cluster Incl. M24283:Human major group rhinovirus receptor (HRV) mRNA,
 41199_s_at Cluster Incl. W27050:19f7 Homo sapiens cDNA /gb=W27050 /gi=1306422 /u
 32230_at Cluster Incl. U39067:Homo sapiens translation initiation factor eIF3 p3
 35 38791_at Cluster Incl. D29643:Human mRNA for KIAA0115 gene, complete cds /cds=(1
 1644_at U36764 /FEATURE= /DEFINITION=HSU36764 Human TGF-beta receptor interactin

METAGENE 475 :

34122_at Cluster Incl. AF027807:Homo sapiens beta-casein (CSN2) gene, complete c
 34612_at Cluster Incl. L13220:Homo sapiens calbindin D-9k mRNA, complete cds /cd
 41101_at Cluster Incl. D87464:Human mRNA for KIAA0274 gene, complete cds /cds=(1
 32124_at Cluster Incl. AL030996:dJ1189B24.4 (novel PUTATIVE protein similar to h

5

METAGENE 476 :

41864_at Cluster Incl. AF052181:Homo sapiens clone 24790 mRNA sequence /cds=UNKN
 38997_at Cluster Incl. X96924:H.sapiens gene encoding mitochondrial citrate tran
 10 1145_g_at Fibroblast Growth Factor Receptor K-Sam, Alt. Splice 4, K-Sam IV -

METAGENE 477 :

37855_at Cluster Incl. M95767:Homo sapiens di-N-acetylchitobiase mRNA, complete
 15 41063_g_at Cluster Incl. AA037278:zc52c04.r1 Homo sapiens cDNA, 5 end /clone=IM
 37915_at Cluster Incl. AL080173:Homo sapiens mRNA; cDNA DKFZp434H071 (from
 clone
 36096_at Cluster Incl. AL080222:Homo sapiens mRNA; cDNA DKFZp566D1146 (from
 clon
 20 33122_at Cluster Incl. N95393:zb68c09.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-

METAGENE 478 :

41620_at Cluster Incl. AB018259:Homo sapiens mRNA for KIAA0716 protein, complete
 25 35172_at Cluster Incl. AF049891:Homo sapiens tyrosylprotein sulfotransferase-2 m
 37598_at Cluster Incl. D79990:Human mRNA for KIAA0168 gene, complete cds /cds=(1
 37966_at Cluster Incl. AA187563:zp66g11.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 32826_at Cluster Incl. AJ133133:Homo sapiens mRNA for ecto-ATP diphosphohydrolas
 1424_s_at D78577 /FEATURE=expanded_cds /DEFINITION=D78576S2 Human DNA for
 30 14-3-3

METAGENE 479 :

37160_at Cluster Incl. M19888:Human small proline rich protein (spr1) mRNA, clon
 35 39310_at Cluster Incl. X86163:H.sapiens mRNA for B2-bradykinin receptor, 3 /cds=
 39632_at Cluster Incl. X75308:H.sapiens mRNA for collagenase 3 /cds=(4,1419) /gb
 35726_at Cluster Incl. AI539439:te51e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 32818_at Cluster Incl. X78565:H.sapiens mRNA for tenascin-C, 7560bp /cds=(313,69
 2027_at M87068 /FEATURE= /DEFINITION=HUMCAN H.sapiens CaN19 mRNA sequence

160031_at X63629 /FEATURE=cds /DEFINITION=HSPCAD H.sapiens mRNA for p
cadherin /

METAGENE 480 :

5

35375_at Cluster Incl. AJ011311:Homo sapiens mRNA for AP endonuclease XTH2, puta
41467_at Cluster Incl. AF070071:Homo sapiens MutS homolog (MSH5) mRNA, complete
37555_at Cluster Incl. X95263:H.sapiens mRNA for PWP2 protein /cds=(31,2790) /gb
37603_at Cluster Incl. X52015:H.sapiens mRNA for interleukin-1 receptor antagoni
10 32828_at Cluster Incl. AF026548:Homo sapiens branched chain alpha-ketoacid dehyd
966_at X97795 /FEATURE=cds /DEFINITION=HSRAD54 H.sapiens mRNA homologous to S. c

METAGENE 481 :

15 33362_at Cluster Incl. AF094521:Homo sapiens MSE55-related protein (UB1) mRNA, c
39143_at Cluster Incl. U08015:Human NF-ATc mRNA, complete cds /cds=(239,2389) /g
32607_at Cluster Incl. AF039656:Homo sapiens neuronal tissue-enriched acidic pro
1327_s_at U67156 /FEATURE= /DEFINITION=HSU67156 Human mitogen-activated kinase
k

20

METAGENE 482 :

34082_at Cluster Incl. W28356:48e3 Homo sapiens cDNA /gb=W28356 /gi=1308511 /ug=
35413_s_at Cluster Incl. AA258092:zs30g01.r1 Homo sapiens cDNA, 5 end /clone=IM
25 35419_g_at Cluster Incl. J04178:Human abnormal beta-hexosaminidase alpha chain (
35436_at Cluster Incl. L06147:Human (clone SY11) golgin-95 mRNA, complete cds /c
35439_at Cluster Incl. D26121:Human mRNA for ZFM1 protein alternatively spliced
37113_at Cluster Incl. AF022795:Homo sapiens TGF beta receptor associated protei
37491_at Cluster Incl. D90359:Human CCG1 mRNA /cds=(51,5669) /gb=D90359 /gi=5593
30 38962_at Cluster Incl. AB002296:Human mRNA for KIAA0298 gene, complete cds /cds=
39231_at Cluster Incl. AF006513:Homo sapiens CHD1 mRNA, complete cds /cds=(163,5
40343_at Cluster Incl. AJ005814:Homo sapiens mRNA for hoxA7 protein /cds=(106,79
40645_at Cluster Incl. L33801:Human protein kinase mRNA, complete cds /cds=(39,1
41091_at Cluster Incl. U05237:Human fetal Alz-50-reactive clone 1 (FAC1) mRNA, c
35 32129_at Cluster Incl. AL079314:Homo sapiens mRNA full length insert cDNA clone
34211_at Cluster Incl. AL079697:DKFZp434E1930_r1 Homo sapiens cDNA, 5 end /clon
34234_f_at Cluster Incl. AI688640:wd40b07.x1 Homo sapiens cDNA, 3 end /clone=IM
34279_at Cluster Incl. AL050141:Homo sapiens mRNA; cDNA DKFZp586O031 (from
clone

- 37935_at Cluster Incl. AF016369:Homo sapiens U4/U6 small nuclear ribonucleoprote
- 32800_at Cluster Incl. U66306:Human retinoid X receptor alpha mRNA, 3 UTR, parti
- 33381_at Cluster Incl. AF012108:Homo sapiens Amplified in Breast Cancer (AIB1) m
- 33404_at Cluster Incl. U02390:Human adenylyl cyclase-associated protein homolog
- 5 36210_g_at Cluster Incl. S78771:NAT=CpG island-associated gene [human, mRNA, 174
- 36999_at Cluster Incl. S66431:RBP2=retinoblastoma binding protein 2 [human, Nalm
- 39518_at Cluster Incl. H97470:yw11b04.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 39540_at Cluster Incl. AF000561:Homo sapiens TTF-I interacting peptide 21 mRNA,
- 39844_at Cluster Incl. AI806379:wf27b10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 10 40581_at Cluster Incl. U42390:Homo sapiens Trio mRNA, complete cds /cds=(66,8651
- 40990_at Cluster Incl. AF065389:Homo sapiens tetraspan NET-4 mRNA, complete cds
- 41591_at Cluster Incl. AI652978:wb42a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32509_at Cluster Incl. AI307607:tb15h10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 1253_at L33801 /FEATURE= /DEFINITION=HUMGLSYKIN Human protein kinase mRNA,
- 15 compl
- 1124_at L04731 /FEATURE= /DEFINITION=HUMTRLALL1 Homo sapiens translocation T(4:1
- 693_g_at Adenylyl Cyclase-Associated Protein 2
- 199_s_at U33052 /FEATURE= /DEFINITION=HSU33052 Human lipid-activated, protein
- ki
- 20
- METAGENE 483 :
- 39966_at Cluster Incl. AF059274:Homo sapiens neuroglycan C mRNA, complete cds /c
- 41652_at Cluster Incl. AL031228:dJ1033B10.12 (collagen, type XI, alpha 2 (COL11A
- 25 33809_at Cluster Incl. AL049933:Homo sapiens mRNA; cDNA DKFZp564K1216 (from
- clon
- 34721_at Cluster Incl. U42031:Human 54 kDa progesterone receptor-associated immu
- 35185_at Cluster Incl. AJ002962:Homo sapiens mRNA for hB-FABP /cds=(76,474) /gb=
- 34848_at Cluster Incl. X69141:H.sapiens mRNA for squalene synthase /cds=(91,1344
- 30
- METAGENE 484 :
- 31671_at Cluster Incl. D82351:Human retropseudogene MSSP-1 DNA, complete cds /cd
- 31672_g_at Cluster Incl. D82351:Human retropseudogene MSSP-1 DNA, complete cds /
- 35 34110_g_at Cluster Incl. AF010310:Homo sapiens p53 induced protein mRNA, partial
- 38945_at Cluster Incl. X78710:H.sapiens MTF-1 mRNA for metal-regulatory transcri
- 41449_at Cluster Incl. AJ000534:Homo sapiens mRNA for epsilon-sarcoglycan /cds=(
- 32073_at Cluster Incl. AB014577:Homo sapiens mRNA for KIAA0677 protein, complete
- 33705_at Cluster Incl. L20971:Human phosphodiesterase mRNA, complete cds /cds=(7

- 34176_at Cluster Incl. AF091087:Homo sapiens clone 643 unknown mRNA, complete se
 34845_at Cluster Incl. AL035398:Human DNA sequence from clone 796117 on chromoso
 36680_at Cluster Incl. M24895:Homo sapiens alpha-amylase mRNA, complete cds /cds
 40614_at Cluster Incl. X75342:H.sapiens SHB mRNA /cds=(310,2100) /gb=X75342 /gi=
 5 754_s_at D87002 /FEATURE=cds#1 /DEFINITION=D87002 Homo sapiens
 immunoglobulin la
 333_s_at Single-Stranded Dna-Binding Protein Mssp-1

METAGENE 485 :

10

- 33693_at Cluster Incl. M76482:Human 130-kD pemphigus vulgaris antigen mRNA, comp
 37473_at Cluster Incl. AF061812:Homo sapiens keratin 16 (KRT16A) mRNA, complete
 38489_at Cluster Incl. M60047:Human heparin binding protein (HBp17) mRNA, comple
 34281_at Cluster Incl. AF039555:Homo sapiens visinin-like protein 1 (VSNL1) mRNA
 15 38608_at Cluster Incl. AA010777:ze22f06.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 39015_f_at Cluster Incl. L42611:Homo sapiens keratin 6 isoform K6e (KRT6E) mRNA,
 39016_r_at Cluster Incl. L42611:Homo sapiens keratin 6 isoform K6e (KRT6E) mRNA,
 601_s_at M28439 /FEATURE=cds /DEFINITION=HUMKER16A8 Human keratin type 16
 gene,

20

METAGENE 486 :

- 35141_at Cluster Incl. Z97029:Homo sapiens mRNA for ribonuclease H I large subun
 36968_s_at Cluster Incl. AL050353:Homo sapiens mRNA; cDNA DKFZp547C0410 (from cl
 25 39094_at Cluster Incl. AI991631:wr12h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 40255_at Cluster Incl. AC004531:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-
 32589_at Cluster Incl. U20979:Human chromatin assembly factor-I p150 subunit mRN
 1797_at U40343 /FEATURE= /DEFINITION=HSU40343 Human CDK inhibitor p19INK4d
 mRNA,

30

METAGENE 487 :

- 37133_at Cluster Incl. AF027406:Homo sapiens muscle-specific serine kinase 1 (MS
 38261_at Cluster Incl. AF085692:Homo sapiens multidrug resistance-associated pro
 35 34382_at Cluster Incl. AJ003112:Homo sapiens mRNA for doublecortin /cds=(415,149
 1930_at U83659 /FEATURE= /DEFINITION=HSU83659 Human multidrug resistance-associa

METAGENE 488 :

- 32879_at Cluster Incl. AL080233:Homo sapiens mRNA; cDNA DKFZp586L111 (from clone
- 38691_s_at Cluster Incl. J03553:Human pulmonary surfactant protein (SP5) mRNA, c
- 40957_at Cluster Incl. D63881:Human mRNA for KIAA0160 gene, partial cds /cds=(0,
- 5**
- METAGENE 489 :
- 31734_at Cluster Incl. AJ000041:Homo sapiens mRNA for HOXC11 /cds=(44,958) /gb=A
- 32444_at Cluster Incl. X69392:H.sapiens mRNA for ribosomal protein L26 /cds=(6,4
- 10** 36446_s_at Cluster Incl. L24521:Human transformation-related protein mRNA, 3 en
- 32272_at Cluster Incl. K00558:human alpha-tubulin mRNA, complete cds /cds=(67,14
- 33458_r_at Cluster Incl. AI688098:wc92f08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 37152_at Cluster Incl. L07592:Human peroxisome proliferator activated receptor m
- 37827_r_at Cluster Incl. AJ237839:Homo sapiens mRNA for hypothetical protein /cd
- 15** 41663_at Cluster Incl. AF038202:Homo sapiens clone 23570 mRNA sequence /cds=UNKN
- 31885_at Cluster Incl. M64572:Human protein tyrosine phosphatase mRNA, complete
- 33262_at Cluster Incl. M31659:Human GT mitochondrial solute carrier protein homo
- 36517_at Cluster Incl. M96982:Homo sapiens U2 snRNP auxiliary factor small subun
- 39767_at Cluster Incl. D13627:Human mRNA for KIAA0002 gene, complete cds /cds=(2
- 20** 40124_at Cluster Incl. Y18418:Homo sapiens mRNA for erythrocyte cytosolic protei
- 40418_at Cluster Incl. X74262:H.sapiens RbAp48 mRNA encoding retinoblastoma bind
- 40881_at Cluster Incl. X64330:H.sapiens mRNA for ATP-citrate lyase /cds=(84,3401
- 41224_at Cluster Incl. AB018331:Homo sapiens mRNA for KIAA0788 protein, partial
- 32853_at Cluster Incl. AB018262:Homo sapiens mRNA for KIAA0719 protein, complete
- 25** 33859_at Cluster Incl. U96915:Homo sapiens sin3 associated polypeptide p18 (SAP1
- 34891_at Cluster Incl. AI540958:PEC1.2_15_H01.r Homo sapiens cDNA, 5 end /clone
- 36572_r_at Cluster Incl. D31885:Human mRNA for KIAA0069 gene, partial cds /cds=(
- 36620_at Cluster Incl. X02317:Human mRNA for Cu/Zn superoxide dismutase (SOD) /c
- 37050_r_at Cluster Incl. AI130910:qb81g08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 30** 37670_at Cluster Incl. J04543:Human synexin mRNA, complete cds /cds=(60,1460) /g
- 37686_s_at Cluster Incl. Y09008:H.sapiens mRNA for uracil-DNA glycosylase /cds=(
- 38485_at Cluster Incl. AA760866:nz14h07.s1 Homo sapiens cDNA /clone=IMAGE-128780
- 39127_f_at Cluster Incl. X73478:H.sapiens hPTPA mRNA /cds=(189,1160) /gb=X73478
- 35** METAGENE 490 :
- 35635_at Cluster Incl. AL080202:Homo sapiens mRNA; cDNA DKFZp434F172 (from clone
- 37908_at Cluster Incl. U31384:Human G protein gamma-11 subunit mRNA, complete cd

41767_r_at Cluster Incl. AB020662:Homo sapiens mRNA for KIAA0855 protein, partial
 34884_at Cluster Incl. D90282:Human carbamyl phosphate synthetase I (EC 6.3.4.16)

METAGENE 491 :

5

34473_at Cluster Incl. AF051151:Homo sapiens Toll/interleukin-1 receptor-like pr
 35425_at Cluster Incl. AJ243512:Homo sapiens mRNA for Barx2 protein (Barx2 gene)
 39580_at Cluster Incl. AB014549:Homo sapiens mRNA for KIAA0649 protein, complete
 41372_at Cluster Incl. AB020638:Homo sapiens mRNA for KIAA0831 protein, complete
 10 41389_s_at Cluster Incl. U46193:Human renal cell carcinoma antigen RAGE-3 mRNA,
 31852_at Cluster Incl. AL050390:Homo sapiens mRNA; cDNA DKFZp564O043 (from
 clone
 32139_at Cluster Incl. Y09538:H.sapiens mRNA for ZNF185 gene /cds=(40,1398) /gb=
 35253_at Cluster Incl. AB011143:Homo sapiens mRNA for KIAA0571 protein, complete
 15 35719_at Cluster Incl. AB011178:Homo sapiens mRNA for KIAA0606 protein, partial
 37230_at Cluster Incl. AB007938:Homo sapiens mRNA for KIAA0469 protein, complete
 39771_at Cluster Incl. AB018283:Homo sapiens mRNA for KIAA0740 protein, complete
 40087_at Cluster Incl. AF020202:Homo sapiens Munc13 mRNA, complete cds /cds=(224
 32172_at Cluster Incl. AL096858:Novel human gene mapping to chromosome 1 /cds=(33
 20 32205_at Cluster Incl. AF072860:Homo sapiens protein activator of the interferon
 33895_at Cluster Incl. AL050373:Homo sapiens mRNA; cDNA DKFZp586F1318 (from
 clon
 34355_at Cluster Incl. AJ132917:Homo sapiens mRNA for methyl-CpG-binding protein
 35279_at Cluster Incl. U33821:Human tax1-binding protein TXBP151 mRNA, complete
 25 36588_at Cluster Incl. AB018353:Homo sapiens mRNA for KIAA0810 protein, partial
 36689_at Cluster Incl. AL040446:DKFZp434D1414_r1 Homo sapiens cDNA, 5' end /clon
 36960_at Cluster Incl. U89278:Human polyhomeotic 2 homolog (HPH2) mRNA, complete
 40175_at Cluster Incl. AI141670:ot08b12.x1 Homo sapiens cDNA, 3' end /clone=IMAG
 40242_at Cluster Incl. L36529:Human (clone N5-4) protein p84 mRNA, complete cds
 30 1787_at U22398 /FEATURE= /DEFINITION=HSU22398 Human Cdk-inhibitor p57KIP2 (KIP2)

METAGENE 492 :

34075_at Cluster Incl. AJ001019:Homo sapiens mRNA for RNF3A (DONG1) ring finger
 35 34169_s_at Cluster Incl. U57627:Human fetal brain oculocerebrorenal syndrome (OC
 35039_at Cluster Incl. D87466:Human mRNA for KIAA0276 gene, partial cds /cds=(0,
 41003_at Cluster Incl. U41816:Human C-1 mRNA, complete cds /cds=(11,403) /gb=U41
 31854_at Cluster Incl. AF035582:Homo sapiens CASK mRNA, complete cds /cds=(15,27
 31883_at Cluster Incl. AF025794:Homo sapiens methionine synthase reductase (MTRR

	32051_at	Cluster Incl. AJ224875:Homo sapiens mRNA for putative glucosyltransferase
	32059_at	Cluster Incl. U79282:Human clone 23801 mRNA sequence /cds=UNKNOWN
	/gb=U	
	36031_at	Cluster Incl. AB024401:Homo sapiens mRNA for p33, complete cds /cds=(45
5	36527_at	Cluster Incl. AL050405:Novel human gene mapping to chromosome X /cds=(39
	39064_at	Cluster Incl. L38928:Homo sapiens 5,10-methenyltetrahydrofolate synthetase
	39387_at	Cluster Incl. U34044:Human selenium donor protein (seld) mRNA, complete
	39435_at	Cluster Incl. D45333:HUMHG7879 Homo sapiens cDNA /gb=D45333
	/gi=1136736	
10	40816_at	Cluster Incl. L07758:Human IEF SSP 9502 mRNA, complete cds /cds=(87,159
	40826_at	Cluster Incl. M80359:Human protein p78 mRNA, complete cds /cds=(171,231
	40865_at	Cluster Incl. U51166:Human G/T mismatch-specific thymine DNA glycosylase
	41757_at	Cluster Incl. W25933:15b2 Homo sapiens cDNA /gb=W25933 /gi=1306056 /ug=
	41780_at	Cluster Incl. U22816:Human LAR-interacting protein 1b mRNA, complete cd
15	32171_at	Cluster Incl. AL080102:Homo sapiens mRNA; cDNA DKFZp564N1916 (from
	clon	
	32196_at	Cluster Incl. AB020636:Homo sapiens mRNA for KIAA0829 protein, partial
	32221_at	Cluster Incl. AL050361:Homo sapiens mRNA; cDNA DKFZp564H0223 (from
	clon	
20	33389_at	Cluster Incl. U23942:Human lanosterol 14-demethylase cytochrome P450 (C
	33930_at	Cluster Incl. AB020724:Homo sapiens mRNA for KIAA0917 protein, partial
	34813_at	Cluster Incl. AL079283:Homo sapiens mRNA full length insert cDNA clone
	34825_at	Cluster Incl. AL031775:dJ30M3.3 (novel protein similar to C. elegans Y6
	35838_at	Cluster Incl. U90919:Human clones 23667 and 23775 zinc finger protein m
25	36186_at	Cluster Incl. L37368:Human (clone E5.1) RNA-binding protein mRNA, compl
	36655_at	Cluster Incl. L27476:Human X104 mRNA, complete cds /cds=(79,3429) /gb=L
	37007_at	Cluster Incl. U49188:Human placenta (Diff33) mRNA, complete cds /cds=(1
	37651_at	Cluster Incl. D31888:Human mRNA for KIAA0071 gene, partial cds /cds=(0,
	37703_at	Cluster Incl. Y08201:Homo sapiens mRNA for rab geranylgeranyl transferase
30	37736_at	Cluster Incl. D13892:Human mRNA for carboxyl methyltransferase, complet
	38443_at	Cluster Incl. U79291:Human clone 23721 mRNA sequence /cds=UNKNOWN
	/gb=U	
	38455_at	Cluster Incl. AL049650:dJ734P14.2.1 (snRNP (small nuclear ribonucleopro
	41579_s_at	Cluster Incl. AI952267:wx50d11.x1 Homo sapiens cDNA, 3' end /clone=IM
35	41595_at	Cluster Incl. AB023164:Homo sapiens mRNA for KIAA0947 protein, partial
	41823_at	Cluster Incl. AJ132258:Homo sapiens mRNA for staufen protein, partial /
	1394_at	L25080 /FEATURE= /DEFINITION=HUMRH0AA Homo sapiens GTP-binding protein (
	1188_g_at	X84740 /FEATURE=mRNA /DEFINITION=HSDNALIG3 H.sapiens mRNA for
	DNA liga	

379_at AB006679 /FEATURE= /DEFINITION=AB006679 Homo sapiens mRNA for ATP binding

METAGENE 493 :

- 5 39260_at Cluster Incl. U59185:Human putative monocarboxylate transporter (MCT) m
 39003_at Cluster Incl. Z50022:H.sapiens mRNA for surface glycoprotein /cds=(93,6
 34329_at Cluster Incl. N25547:yx76e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 38370_at Cluster Incl. U90902:Human clone 23612 mRNA sequence /cds=UNKNOWN
 /gb=U

10

METAGENE 494 :

- 31936_s_at Cluster Incl. AB007890:Homo sapiens KIAA0430 mRNA, complete cds /cds=
 33543_s_at Cluster Incl. U77718:Human desmosome associated protein pinin mRNA, c
 15 34445_at Cluster Incl. AB007940:Homo sapiens mRNA for KIAA0471 protein, complete
 37819_at Cluster Incl. AF007130:Homo sapiens clone 23750 unknown mRNA, partial c
 38892_at Cluster Incl. D87077:Human mRNA for KIAA0240 gene, partial cds /cds=(0,
 40308_at Cluster Incl. AI830496:wh51h03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 41379_at Cluster Incl. AB011166:Homo sapiens mRNA for KIAA0594 protein, partial
 20 41436_at Cluster Incl. AJ224901:Homo sapiens mRNA for ZNF198 protein /cds=(184,4
 41621_i_at Cluster Incl. AA868898:ak55b08.s1 Homo sapiens cDNA, 3 end /clone=IM
 41638_at Cluster Incl. D38552:Human mRNA for KIAA0073 gene, partial cds /cds=(0,
 41690_at Cluster Incl. AL049471:Homo sapiens mRNA; cDNA DKFZp586N012 (from
 clone
 25 41710_at Cluster Incl. AL079277:Homo sapiens mRNA full length insert cDNA clone
 31851_at Cluster Incl. AJ224819:Homo sapiens mRNA for candidate tumor suppressor
 32085_at Cluster Incl. AB023198:Homo sapiens mRNA for KIAA0981 protein, partial
 33297_at Cluster Incl. AL031778:dJ34B21.3 (PUTATIVE novel protein) /cds=(297,557
 34196_at Cluster Incl. AI337901:qt34f05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 30 34269_at Cluster Incl. AL050102:Homo sapiens mRNA; cDNA DKFZp586F1019 (from
 clon
 34657_at Cluster Incl. AB014529:Homo sapiens mRNA for KIAA0629 protein, partial
 35163_at Cluster Incl. AB028964:Homo sapiens mRNA for KIAA1041 protein, complete
 36845_at Cluster Incl. D50926:Human mRNA for KIAA0136 gene, partial cds /cds=(0,
 35 36860_at Cluster Incl. AB028987:Homo sapiens mRNA for KIAA1064 protein, partial
 37617_at Cluster Incl. U90912:Human clone 23865 mRNA sequence /cds=UNKNOWN
 /gb=U
 38357_at Cluster Incl. AL049321:Homo sapiens mRNA; cDNA DKFZp564D156 (from
 clone

	38667_at	Cluster Incl. AA189161:zq45g01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	39065_s_at	Cluster Incl. D83077:Homo sapiens mRNA for TPRD, complete cds /cds=(1
	39434_at	Cluster Incl. AB011164:Homo sapiens mRNA for KIAA0592 protein, partial
	39797_at	Cluster Incl. AB002347:Human mRNA for KIAA0349 gene, partial cds /cds=(
5	40404_s_at	Cluster Incl. U18291:Human CDC16Hs mRNA, complete cds /cds=(24,1883)
	40431_at	Cluster Incl. AB007891:Homo sapiens KIAA0431 mRNA, partial cds /cds=(96
	40453_s_at	Cluster Incl. U30826:Human splicing factor SRp40-1 (SRp40) mRNA, comp
	40485_at	Cluster Incl. AA176780:zp32a10.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	40786_at	Cluster Incl. U37352:Human protein phosphatase 2A Balphal regulatory su
10	40828_at	Cluster Incl. D63476:Human mRNA for KIAA0142 gene, complete cds /cds=(4
	41129_at	Cluster Incl. D26067:Human mRNA for KIAA0033 gene, partial cds /cds=(0,
	41174_at	Cluster Incl. AF012086:Homo sapiens Ran binding protein 2 (RanBP2alpha)
	41179_at	Cluster Incl. AB029023:Homo sapiens mRNA for KIAA1100 protein, complete
	41784_at	Cluster Incl. AL080186:Homo sapiens mRNA; cDNA DKFZp564B0769 (from
15	clon	
	32160_at	Cluster Incl. U76247:Human hSIAH1 mRNA, complete cds /cds=(186,1034) /g
	32183_at	Cluster Incl. M74002:Human arginine-rich nuclear protein mRNA, complete
	32187_at	Cluster Incl. AB028973:Homo sapiens mRNA for KIAA1050 protein, partial
	32219_at	Cluster Incl. D50927:Human mRNA for KIAA0137 gene, complete cds /cds=(1
20	33457_at	Cluster Incl. AB029028:Homo sapiens mRNA for KIAA1105 protein, partial
	33817_at	Cluster Incl. S63912:D10S102=FBRNP [human, fetal brain, mRNA, 3043 nt]
	33835_at	Cluster Incl. AB018264:Homo sapiens mRNA for KIAA0721 protein, partial
	34353_at	Cluster Incl. AB014548:Homo sapiens mRNA for KIAA0648 protein, partial
	34411_at	Cluster Incl. Y10387:H.sapiens mRNA for PAPS synthetase /cds=(36,1910)
25	34804_at	Cluster Incl. AL049246:Homo sapiens mRNA; cDNA DKFZp564C053 (from
	clone	
	35268_at	Cluster Incl. AL050171:Homo sapiens mRNA; cDNA DKFZp586F1122 (from
	clon	
	35289_at	Cluster Incl. AJ011679:Homo sapiens mRNA for Rab6 GTPase activating pro
30	35317_at	Cluster Incl. AB014579:Homo sapiens mRNA for KIAA0679 protein, partial
	36133_at	Cluster Incl. AL031058:Human DNA sequence from clone 512B11 on chromoso
	36628_at	Cluster Incl. L42542:Human RLIP76 protein mRNA, complete cds /cds=(223,
	36636_at	Cluster Incl. M12267:Human ornithine aminotransferase mRNA, complete cd
	36946_at	Cluster Incl. D86550:Human mRNA for serine/threonine protein kinase, co
35	37034_at	Cluster Incl. U73477:Human acidic nuclear phosphoprotein pp32 mRNA, com
	37694_at	Cluster Incl. D87685:Human mRNA for KIAA0244 gene, partial cds /cds=(0,
	37718_at	Cluster Incl. D43636:Human mRNA for KIAA0096 gene, partial cds /cds=(0,
	38050_at	Cluster Incl. D79986:Human mRNA for KIAA0164 gene, complete cds /cds=(2
	38062_at	Cluster Incl. D87467:Human mRNA for KIAA0277 gene, complete cds /cds=(5

- 38073_at Cluster Incl. AB007858:Homo sapiens KIAA0398 mRNA, complete cds /cds=(1
38102_at Cluster Incl. W28575:51f12 Homo sapiens cDNA /gb=W28575 /gi=1308730 /ug
38105_at Cluster Incl. W26521:32g11 Homo sapiens cDNA /gb=W26521 /gi=1307382 /ug
38764_at Cluster Incl. AF007142:Homo sapiens clone 23938 mRNA sequence /cds=UNKN
5 38818_at Cluster Incl. Y08685:H.sapiens mRNA for serine palmitoyltransferase, su
38837_at Cluster Incl. W26226:22e3 Homo sapiens cDNA /gb=W26226 /gi=1306637 /ug=
38843_at Cluster Incl. AL079310:Novel human gene mapping to chromosome 22 /cds=(5
39091_at Cluster Incl. AF070523:Homo sapiens JWA protein mRNA, complete cds /cds
39117_at Cluster Incl. AB014562:Homo sapiens mRNA for KIAA0662 protein, partial
10 39131_at Cluster Incl. N36842:yy35g03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
39132_at Cluster Incl. AB010882:Homo sapiens mRNA for hSNF2H, complete cds /cds=
39163_at Cluster Incl. W27233:24b7 Homo sapiens cDNA /gb=W27233 /gi=1306749 /ug=
39507_at Cluster Incl. AL050366:Homo sapiens mRNA; cDNA DKFZp564A126 (from
clone
15 39897_at Cluster Incl. N36997:yy39g07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
41283_at Cluster Incl. AF052131:Homo sapiens clone 23930 mRNA sequence /cds=UNKN
41529_g_at Cluster Incl. W72239:zd62h08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
41808_at Cluster Incl. AF052102:Homo sapiens clone 23926 mRNA sequence /cds=UNKN
41836_at Cluster Incl. U94836:Human ERPROT 213-21 mRNA, complete cds /cds=(88,27
20 33125_at Cluster Incl. AL043470:DKFZp434A0327_s1 Homo sapiens cDNA, 3 end /clon
2063_at L20046 /FEATURE= /DEFINITION=HUMERCC5A Human ERCC5 excision repair prote
1512_at D86550 /FEATURE= /DEFINITION=D86550 Human mRNA for serine/threonine prot
176_at U37352 /FEATURE= /DEFINITION=HSU37352 Human protein phosphatase 2A B alph
25 METAGENE 495 :
31514_at Cluster Incl. AF034970:Homo sapiens docking protein (DOK-2) mRNA, compl
33085_at Cluster Incl. U64863:Human hPD-1 (hPD-1) mRNA, complete cds /cds=(68,93
36372_at Cluster Incl. U51333:Human hexokinase III (HK3) mRNA, complete cds /cds
30 36798_g_at Cluster Incl. J04168:Human leukosialin mRNA, complete cds /cds=(95,12
37148_at Cluster Incl. AF025533:Homo sapiens leucocyte immunoglobulin-like recep
40327_at Cluster Incl. U57052:Human Hoxb-13 mRNA, complete cds /cds=(54,908) /gb
40668_s_at Cluster Incl. U34624:Human T cell surface glycoprotein CD-6 mRNA, com
40712_at Cluster Incl. D26579:Homo sapiens mRNA for transmembrane protein, compl
35 41718_g_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8
34293_at Cluster Incl. AF004426:Homo sapiens microtubule-based motor (HsKIFC3) m
36008_at Cluster Incl. AF041434:Homo sapiens potentially prenylated protein tyro
36052_at Cluster Incl. U43959:Human beta 4 adducin mRNA, alternatively spliced p
37238_s_at Cluster Incl. AF014118:Homo sapiens membrane-associated kinase (Myl1)

- 39778_at Cluster Incl. M55621:Human N-acetylglucosaminyltransferase I (GlcNAc-TI
 41764_at Cluster Incl. AA976838:q35c12.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 33374_at Cluster Incl. L09708:Human complement component 2 (C2) gene allele b /c
 33393_at Cluster Incl. AJ237946:Homo sapiens mRNA for DEAD Box Protein 5 /cds=(0
5 36195_at Cluster Incl. U07681:Human NAD(H)-specific isocitrate dehydrogenase alp
 39845_at Cluster Incl. AF020760:Homo sapiens serine protease (Omi) mRNA, complet
 1983_at X68452 /FEATURE=cds /DEFINITION=HSCYCD2 H.sapiens mRNA for cyclin D2
 1445_at AF014958 /FEATURE= /DEFINITION=AF014958 Homo sapiens chemokine receptor
 703_at Immunoglobulin Heavy Chain, VdJrc Regions
10 608_at M12529 /FEATURE=mRNA /DEFINITION=HUMAPOE Human apolipoprotein E mRNA,
 com

METAGENE 496 :

- 15** 37162_at Cluster Incl. S72869:H4(D10S170)=putative cytoskeletal protein [human,
 40666_at Cluster Incl. AF039918:Homo sapiens CD39L4 (CD39L4) mRNA, complete cds
 31788_at Cluster Incl. AB014537:Homo sapiens mRNA for KIAA0637 protein, complete
 35140_at Cluster Incl. R59697:yh11b03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
 36100_at Cluster Incl. AF022375:Homo sapiens vascular endothelial growth factor
20 36101_s_at Cluster Incl. M63978:Human vascular endothelial growth factor gene /c
 38010_at Cluster Incl. AF002697:Homo sapiens E1B 19K/Bcl-2-binding protein Nip3
 32545_r_at Cluster Incl. L12535:Human RSU-1/RSP-1 mRNA, complete cds /cds=(827,1
 1953_at AF024710 /FEATURE= /DEFINITION=AF024710 Homo sapiens vascular endothelia
 1265_g_at M25393 /FEATURE= /DEFINITION=HUMPTPASE Human protein tyrosine
25 phosphat

METAGENE 497 :

- 32478_f_at Cluster Incl. AL031133:dJ281H8.4 (Ubiquitin-Like protein SMT3 LIKE) /
30 33620_at Cluster Incl. X16667:Human HOX2G mRNA from the Hox2 locus /cds=(363,165
 36391_at Cluster Incl. AF048730:Homo sapiens cyclin T1 mRNA, complete cds /cds=(
 32355_at Cluster Incl. AL050270:Homo sapiens mRNA; cDNA DKFZp564D166 (from
 clone
 37155_at Cluster Incl. AB020675:Homo sapiens mRNA for KIAA0868 protein, partial
35 37508_f_at Cluster Incl. AA675900:g02504r Homo sapiens cDNA, 5 end /clone=g0250
 41374_at Cluster Incl. AB016869:Homo sapiens mRNA for p70 ribosomal S6 kinase be
 33794_g_at Cluster Incl. U19345:Homo sapiens AR1 (TCF20) mRNA, partial cds /cds=
 34727_at Cluster Incl. AI800578:wg12b07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 35198_at Cluster Incl. AF070596:Homo sapiens clone 24796 mRNA sequence /cds=UNKN

- 37946_at Cluster Incl. M60724:Human p70 ribosomal S6 kinase alpha-I mRNA, comple
 39343_at Cluster Incl. AW026656:vv15c06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 40792_s_at Cluster Incl. AF091395:Homo sapiens Trio isoform mRNA, complete cds /
 33377_at Cluster Incl. X03168:Human mRNA for S-protein /cds=(61,1497) /gb=X03168
 5 33855_at Cluster Incl. M96995:Homo sapiens epidermal growth factor receptor-bind
 37012_at Cluster Incl. U03271:Human F-actin capping protein beta subunit mRNA, c
 37711_at Cluster Incl. S57212:hMEF2C=myocyte enhancer-binding factor 2 [human, s
 40980_at Cluster Incl. W26477:30b5 Homo sapiens cDNA /gb=W26477 /gi=1307176 /ug=
 1578_g_at M23263 /FEATURE= /DEFINITION=HUMARB Human androgen receptor
 10 mRNA, comp
 834_at U40462 /FEATURE= /DEFINITION=HSU40462 Human Ikaros/LyF-1 homolog (hIk-1)
 842_at U48251 /FEATURE= /DEFINITION=HSU48251 Homo sapiens protein kinase C-bindi
 446_at U89896 /FEATURE= /DEFINITION=HSU89896 Homo sapiens casein kinase I gamma
 315_at D45132 /FEATURE= /DEFINITION=HUMHOXY1 Homo sapiens mRNA for zinc-finger
 15 D

METAGENE 498 :

- 34251_at Cluster Incl. M92299:Human homeobox 2.1 protein (HOX2A) mRNA, complete
 20 38358_at Cluster Incl. AJ010840:Homo sapiens mRNA for ATP-dependent RNA helicase
 160042_s_at X58431 /FEATURE=mRNA#1 /DEFINITION=HSHOX22 Human Hox2.2 gene
 for a h

TABLE 9: List of Genes within the 29 Metagenes selected by the Model in the Breast Cancer Recurrence Study

METAGENE 2:

5

ans =

	36711_at	Cluster Incl. AL021977:bK447C4.1 (novel MAFF (v-maf musculoaponeurotic
	37863_at	Cluster Incl. J04076:Human early growth response 2 protein (EGR2) mRNA,
	40448_at	Cluster Incl. M92843:H.sapiens zinc finger transcriptional regulator mR
10	41755_at	Cluster Incl. AB023194:Homo sapiens mRNA for KIAA0977 protein, complete
	32786_at	Cluster Incl. X51345:Human jun-B mRNA for JUN-B protein /cds=(253,1296)
	33439_at	Cluster Incl. D15050:Human mRNA for transcription factor AREB6, complet
	36097_at	Cluster Incl. M62831:Human transcription factor ETR101 mRNA, complete c
	36669_at	Cluster Incl. L49169:Human G0S3 mRNA, complete cds /cds=(593,1609) /gb=
15	36979_at	Cluster Incl. M20681:Human glucose transporter-like protein-III (GLUT3)
	38772_at	Cluster Incl. Y11307:H.sapiens CYR61 mRNA /cds=(223,1368) /gb=Y11307 /g
	39822_s_at	Cluster Incl. AF078077:Homo sapiens growth arrest and DNA-damage-indu
	32583_at	Cluster Incl. J04111:Human c-jun proto oncogene (JUN), complete cds, cl
	33146_at	Cluster Incl. L08246:Human myeloid cell differentiation protein (MCL1)
20	1915_s_at	V01512 /FEATURE=mRNA#1 /DEFINITION=HSCFOS Human cellular
	oncogene c-fos	
	1916_s_at	V01512 /FEATURE=mRNA#2 /DEFINITION=HSCFOS Human cellular
	oncogene c-fos	
	1895_at	J04111 /FEATURE=exon#1 /DEFINITION=HUMJUN Human c-jun proto oncogene (J
25	1776_at	L24564 /FEATURE= /DEFINITION=HUMRAD Human Rad mRNA, complete cds
	789_at	X52541 /FEATURE=cds /DEFINITION=HSEGR1 Human mRNA for early growth respon
	277_at	L08246 /FEATURE= /DEFINITION=HUMMCL1X Human myeloid cell differentiation
	279_at	L13740 /FEATURE= /DEFINITION=HUMTR3A Human TR3 orphan receptor mRNA,
	comp	
30	280_g_at	L13740 /FEATURE= /DEFINITION=HUMTR3A Human TR3 orphan receptor
	mRNA, co	
	287_at	L19871 /FEATURE= /DEFINITION=HUMATF3X Human activating transcription fact
	190_at	U12767 /FEATURE= /DEFINITION=HSU12767 Human mitogen induced nuclear orpha

35 METAGENE 20:

ans =

32352_at Cluster Incl. X52730:Human gene for phenylethanolamine N-methylase (PNM

- 37772_at Cluster Incl. AB020711:Homo sapiens mRNA for KIAA0904 protein, partial
 32064_at Cluster Incl. Y13467:Homo sapiens mRNA for RB18A protein /cds=(235,4935
 32679_at Cluster Incl. D13634:Human mRNA for KIAA0009 gene, complete cds /cds=(1
 33218_at Cluster Incl. M11730:Human tyrosine kinase-type receptor (HER2) mRNA, c
 5 38672_at Cluster Incl. Y13247:Homo sapiens fb19 mRNA /cds=(539,3361) /gb=Y13247
 36139_at Cluster Incl. AL050289:Homo sapiens mRNA; cDNA DKFZp586G0522 (from
 clon
 37355_at Cluster Incl. D38255:Homo sapiens mRNA for CAB1, complete cds /cds=(121
 1802_s_at X03363 /FEATURE=cds /DEFINITION=HSEB2R Human c-erb-B-2 mRNA
 10 1680_at D43772 /FEATURE= /DEFINITION=HUMGRB7 Human squamous cell carcinoma of es

METAGENE 81:

ans =

- 15 36364_at Cluster Incl. L32961:Human 4-aminobutyrate aminotransferase (GABAT) mRN
 36434_r_at Cluster Incl. AF017724:Homo sapiens glycine receptor alpha 3 subunit
 38187_at Cluster Incl. D90041:Human liver arylamine N-acetyltransferase (EC 2.3.
 39227_at Cluster Incl. AB006621:Homo sapiens mRNA for KIAA0283 gene, partial cds
 39304_g_at Cluster Incl. Y14153:Homo sapiens mRNA for beta-transducin repeat con
 20 40673_at Cluster Incl. U12778:Human acyl-CoA dehydrogenase mRNA, complete cds /c
 32667_at Cluster Incl. M58526:Human alpha-5 collagen type IV (COL4A5) mRNA, 3 e
 32676_at Cluster Incl. M93405:Human methylmalonate semialdehyde dehydrogenase ge
 34759_at Cluster Incl. U68494:Human hbc647 mRNA sequence /cds=UNKNOWN
 /gb=U68494
 25 35238_at Cluster Incl. AB000509:Homo sapiens mRNA for TRAF5, complete cds /cds=(
 40522_at Cluster Incl. X59834:Human rearranged mRNA for glutamine synthase /cds=
 33358_at Cluster Incl. W29087:56b8 Homo sapiens cDNA /gb=W29087 /gi=1309053 /ug=
 33446_at Cluster Incl. W26407:29b8 Homo sapiens cDNA /gb=W26407 /gi=1307106 /ug=
 34862_at Cluster Incl. AA005018:zh96a09.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 30 35329_at Cluster Incl. AF091084:Homo sapiens clone 638 unknown mRNA, complete se
 35794_at Cluster Incl. AB023159:Homo sapiens mRNA for KIAA0942 protein, partial
 35822_at Cluster Incl. L15702:Human complement factor B mRNA, complete cds /cds=
 40244_s_at Cluster Incl. AI743654:wg41d01.x1 Homo sapiens cDNA, 3 end /clone=IM

35 METAGENE 86:

ans =

- 34586_s_at Cluster Incl. U51003:Human DLX-2 (Dlx2) mRNA, complete cds /cds=UNKNO
 33950_g_at Cluster Incl. AF011406:Homo sapiens corticotropin releasing hormone r

- 38936_at Cluster Incl. M16652:Human pancreatic elastase IIA mRNA, complete cds /
 41413_at Cluster Incl. AF037339:Homo sapiens cleft lip and palate transmembrane
 33801_at Cluster Incl. AF104222:Homo sapiens CD2 cytoplasmic domain binding prot
 33806_at Cluster Incl. AF052106:Homo sapiens clone 23781 mRNA sequence /cds=UNKN
 5 38663_at Cluster Incl. AI033692:ow26f02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 41356_at Cluster Incl. W27619:35c7 Homo sapiens cDNA /gb=W27619 /gi=1307567 /ug=
 1852_at X02910 /FEATURE=expanded_cds /DEFINITION=HSTNFA Human gene for tumor nec
 1724_at S75174 /FEATURE= /DEFINITION=S75174 E2F-4=transcription factor [human, N
 438_at X07767 /FEATURE=cds /DEFINITION=HSPKA Human mRNA for cAMP-dependent
 10 prote

METAGENE 109:

- ans =
- 15 35853_at Cluster Incl. AL049654:Novel human mRNA similar to mouse gene PICK1 (TR
 37129_at Cluster Incl. AI936758:wp69b11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 37153_at Cluster Incl. AB014573:Homo sapiens mRNA for KIAA0673 protein, partial
 40033_at Cluster Incl. AL022328:Human DNA sequence from clone 402G11 on chromoso
 40705_at Cluster Incl. AF103905:Homo sapiens Rap1 guanine-nucleotide exchange fa
 20 41036_at Cluster Incl. AL022314:dJ1170K4.1 (novel protein similar to KIAA0176 an
 31837_at Cluster Incl. U62317:Chromosome 22q13 BAC Clone CIT987SK-384D8 complete
 33707_at Cluster Incl. AF058921:Homo sapiens cytosolic phospholipase A2-gamma mR
 33708_at Cluster Incl. AF045584:Homo sapiens PB39 mRNA, complete cds /cds=(76,17
 34206_at Cluster Incl. AB018325:Homo sapiens mRNA for KIAA0782 protein, partial
 25 34224_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B
 35156_at Cluster Incl. AL050297:Homo sapiens mRNA; cDNA DKFZp564N123 (from
 clone
 35170_at Cluster Incl. AF044414:Homo sapiens alpha mannosidase 6A8B (6a8b) mRNA,
 36452_at Cluster Incl. AB028952:Homo sapiens mRNA for KIAA1029 protein, complete
 30 37201_at Cluster Incl. D38535:Human mRNA for PK-120 /cds=(129,2921) /gb=D38535 /
 37268_at Cluster Incl. U43368:Human VEGF related factor isoform VRF186 precursor
 37992_s_at Cluster Incl. AI436567:ti03b09.x1 Homo sapiens cDNA, 3 end /clone=IM
 38671_at Cluster Incl. AB014520:Homo sapiens mRNA for KIAA0620 protein, partial
 39424_at Cluster Incl. U70321:Human herpesvirus entry mediator mRNA, complete cd
 35 41160_at Cluster Incl. AC005943:Homo sapiens chromosome 19, cosmid R30538 /cds=(
 33409_at Cluster Incl. AA158243:zo76c01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 35823_at Cluster Incl. M63573:Human secreted cyclophilin-like protein (SCYLP) mR
 37042_at Cluster Incl. U09577:Homo sapiens lysosomal hyaluronidase (LUCA2/HYAL2)
 39893_at Cluster Incl. AB010414:Homo sapiens mRNA for G-protein gamma 7, complet

- 40266_at Cluster Incl. AB028959:Homo sapiens mRNA for KIAA1036 protein, complete
 41532_at Cluster Incl. Y09723:H.sapiens mRNA for Miz-1 protein /cds=(126,2537) /
 1795_g_at M92287 /FEATURE= /DEFINITION=HUMCYCD3A Homo sapiens cyclin D3
 (CCND3)
- 5** 1116_at M28170 /FEATURE= /DEFINITION=HUMCSPC Human cell surface protein CD19 (CD
 541_g_at S67070 /FEATURE= /DEFINITION=S67070 heat shock protein HSP72 homolog
 [h
 210_at M95678 /FEATURE= /DEFINITION=HUMPLCB2A Homo sapiens phospholipase C-beta-
 214_at M97676 /FEATURE= /DEFINITION=HUMHOX7 Homo sapiens (region 7) homeobox pro
- 10** METAGENE 133:
- ans =
- 15** 41700_at Cluster Incl. M62424:Human thrombin receptor mRNA, complete cds /cds=(2
 37279_at Cluster Incl. U10550:Human Gem GTPase (gem) mRNA, complete cds /cds=(21
 38125_at Cluster Incl. M14083:Human beta-migrating plasminogen activator inhibit
 38767_at Cluster Incl. AF041037:Homo sapiens novel antagonist of FGF signaling (
 2094_s_at K00650 /FEATURE=cds /DEFINITION=HUMFOS Human fos proto-oncogene (c-
 fos
- 20** 2062_at L19182 /FEATURE= /DEFINITION=HUMMAC25X Human MAC25 mRNA, complete
 cds
 1911_s_at M60974 /FEATURE= /DEFINITION=HUMGADD45 Human growth arrest and
 DNA-dam
 1005_at X68277 /FEATURE=cds /DEFINITION=HSCL100 H.sapiens CL 100 mRNA for protei
- 25** 735_s_at Protein Kinase Ht31, Camp-Dependent
- METAGENE 143:
- ans =
- 30** 35382_at Cluster Incl. AF043244:Homo sapiens apoptosis repressor ARC (ARC) mRNA,
 41861_at Cluster Incl. AL050019:Homo sapiens mRNA; cDNA DKFZp564C186 (from
 clone
 35994_at Cluster Incl. AC002398:Human DNA from chromosome 19-specific cosmid F25
 33424_at Cluster Incl. Y00281:Human mRNA for ribophorin I /cds=(137,1960) /gb=Y0
- 35** 34366_g_at Cluster Incl. AF042386:Homo sapiens cyclophilin-33B (CYP-33) mRNA, co
 35338_at Cluster Incl. X17094:Human fur mRNA for furin /cds=(216,2600) /gb=X1709
 36150_at Cluster Incl. AB020649:Homo sapiens mRNA for KIAA0842 protein, partial
 1879_at M14949 /FEATURE=cds /DEFINITION=HUMRASR2 Human R-ras gene, exons 2 throu
 1649_at U61836 /FEATURE=mRNA /DEFINITION=HSU61836 Human putative cyclin G1 inter

1333_f_at X02596 /FEATURE=cds /DEFINITION=HSBCRR Human mRNA for bcr
(breakpoint
537_f_atU07000 /FEATURE=cds#3 /DEFINITION=HSU07000 Human breakpoint cluster reg
405_at X52773 /FEATURE=cds /DEFINITION=HSRARLP Human mRNA for retinoic acid rece

5

METAGENE 149:

ans =

- 33646_g_at Cluster Incl. X61094:H.sapiens RNA for GM2-activator protein (clone p
10 34172_s_at Cluster Incl. M99578:Human lymphocyte surface protein exons 1-5, comp
35099_at Cluster Incl. AF019225:Homo sapiens apolipoprotein L mRNA, complete cds
35583_at Cluster Incl. X99699:H.sapiens mRNA for XIAP associated factor-1 /cds=(
36770_at Cluster Incl. U18671:Human Stat2 gene, complete cds /cds=(57,2612) /gb=
39264_at Cluster Incl. M87284:Human 69 kDa 25 oligoadenylate synthetase (P69 2-
15 38014_at Cluster Incl. X79448:H.sapiens IFI-4 mRNA for type I protein /cds=(1165
2066_at L22474 /FEATURE= /DEFINITION=HUMBAXB Human Bax beta mRNA, complete cds
1794_at M92287 /FEATURE= /DEFINITION=HUMCYCD3A Homo sapiens cyclin D3 (CCND3)
mR
1457_at M64174 /FEATURE= /DEFINITION=HUMPTKJAK1 Human protein-tyrosine kinase (J
20 909_g_at M14660 /FEATURE=cds /DEFINITION=HUMISG2 Human ISG-54K gene
(interferon
865_at U08316 /FEATURE= /DEFINITION=HSU08316 Human insulin-stimulated protein ki
428_s_at V00567 /FEATURE=cds /DEFINITION=HSMGLO Human messenger RNA
fragment for
25 201_s_at S82297 /FEATURE= /DEFINITION=S82297 beta 2-microglobulin {11bp deleted

METAGENE 155:

ans =

- 30 31496_g_at Cluster Incl. D63789:Homo sapiens DNA for SCM-1beta precursor, comple
34607_at Cluster Incl. AB023135:Homo sapiens mRNA for activation-inducible lymph
32264_at Cluster Incl. L23134:Homo sapiens metase (MET-1) mRNA, complete cds /cd
32321_at Cluster Incl. X56841:H.sapiens HLA-E gene /cds=(0,363) /gb=X56841 /gi=4
32370_at Cluster Incl. M57888:Human (clone lambda B34) cytotoxic T-lymphocyte-as
35 33462_at Cluster Incl. D13626:Human mRNA for KIAA0001 gene, complete cds /cds=(2
34046_at Cluster Incl. Z83844:Human DNA sequence from clone 37E16 on chromosome
34432_at Cluster Incl. AF051325:Homo sapiens SH3 domain containing adaptor prote
34481_at Cluster Incl. AF030227:untitled /cds=(97,2634) /gb=AF030227 /gi=3282618
34914_at Cluster Incl. U94778:Human PEST phosphatase interacting protein homolog

	34965_at	Cluster Incl. AF031824:Homo sapiens leukocystatin mRNA, complete cds /c
	36239_at	Cluster Incl. Z49194:H.sapiens mRNA for oct-binding factor /cds=(523,12
	36277_at	Cluster Incl. M23323:Human membrane protein (CD3-epsilon) gene /cds=(59
	36280_at	Cluster Incl. U26174:Human pre-granzyme 3 mRNA, complete cds /cds=(40,8
5	36293_at	Cluster Incl. U73531:Human G protein-coupled receptor STRL33.3 (STRL33)
	36314_at	Cluster Incl. U04806:Human FLT3/FLK2 ligand mRNA, complete cds /cds=(92
	37078_at	Cluster Incl. J04132:Human T cell receptor zeta-chain mRNA, complete cd
	37121_at	Cluster Incl. S69115:granulocyte colony-stimulating factor induced gene
	37137_at	Cluster Incl. M17016:Human serine protease-like protein mRNA, complete
10	37456_at	Cluster Incl. AL022315:dJ117715.3 (Lectin, Galactose-binding, soluble,
	37493_at	Cluster Incl. H04668:yj49e08.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	37775_at	Cluster Incl. W25951:17d10 Homo sapiens cDNA /gb=W25951 /gi=1306236 /ug
	37845_at	Cluster Incl. M58285:Human membrane-associated protein (HEM-1) mRNA, co
	38149_at	Cluster Incl. D29642:Human mRNA for KIAA0053 gene, complete cds /cds=(1
15	38570_at	Cluster Incl. X03066:Human mRNA for HLA-D class II antigen DO beta chai
	38578_at	Cluster Incl. M63928:Homo sapiens T cell activation antigen (CD27) mRNA
	38893_at	Cluster Incl. AL008637:Human DNA sequence from clone 833B7 on chromosom
	38894_g_at	Cluster Incl. AL008637:Human DNA sequence from clone 833B7 on chromos
	38949_at	Cluster Incl. L01087:Human protein kinase C-theta (PRKCT) mRNA, complet
20	38964_r_at	Cluster Incl. U12707:Human Wiskott-Aldrich syndrome protein (WASP) mR
	39649_at	Cluster Incl. X78817:H.sapiens partial C1 mRNA /cds=(42,2882) /gb=X7881
	39672_at	Cluster Incl. M64322:Human protein tyrosine phosphatase (LPTPase) mRNA,
	39936_at	Cluster Incl. U95626:Homo sapiens ccr2b (ccr2); ccr2a (ccr2), ccr5 (ccr
	40296_at	Cluster Incl. AL023653:Human DNA sequence from clone 753P9 on chromosom
25	40667_at	Cluster Incl. X60992:H.sapiens CD6 mRNA for T cell glycoprotein CD6 /cd
	40699_at	Cluster Incl. M12824:Human T-cell differentiation antigen Leu-2/T8 mRNA
	40715_at	Cluster Incl. D83597:Homo sapiens mRNA for RP105, complete cds /cds=(14
	40718_at	Cluster Incl. AF013611:Homo sapiens lymphopain mRNA, complete cds /cds=
	40719_at	Cluster Incl. AL022398:dJ434O14.3.3 (novel protein) (isoform 3) /cds=(2
30	40720_at	Cluster Incl. AL022398:dJ434O14.3.1 (putative protein) (isoform 1) /cds
	40721_g_at	Cluster Incl. AL022398:dJ434O14.3.1 (putative protein) (isoform 1) /c
	40738_at	Cluster Incl. M16336:Human T-cell surface antigen CD2 (T11) mRNA, compl
	40757_at	Cluster Incl. M18737:Human Hanukah factor serine protease (HuHF) mRNA,
	41468_at	Cluster Incl. M30894:Human T-cell receptor Ti rearranged gamma-chain mR
35	41654_at	Cluster Incl. X02994:Human mRNA for adenosine deaminase (adenosine amin
	31820_at	Cluster Incl. X16663:Human HS1 gene for heamatopoietic lineage cell spe
	31870_at	Cluster Incl. X14046:Human mRNA for leukocyte antigen CD37 /cds=(63,908
	31901_at	Cluster Incl. AF044253:Homo sapiens potassium channel beta 2 subunit (H
	32070_at	Cluster Incl. X97267:H.sapiens LPAP gene /cds=(63,683) /gb=X97267 /gi=1

	32629_f_at	Cluster Incl. U90552:Human butyrophilin (BTF5) mRNA, complete cds /cd
	32704_at	Cluster Incl. D86964:Human mRNA for KIAA0209 gene, partial cds /cds=(0,
	32736_at	Cluster Incl. W68830:zd37g06.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	33238_at	Cluster Incl. U23852:Human T-lymphocyte specific protein tyrosine kinas
5	33243_at	Cluster Incl. AF099935:Homo sapiens MDC-3.13 isoform 2 mRNA, complete c
	33267_at	Cluster Incl. AF035315:Homo sapiens clone 23664 and 23905 mRNA sequence
	33748_at	Cluster Incl. D86976:Human mRNA for KIAA0223 gene, partial cds /cds=(0,
	33813_at	Cluster Incl. AI813532:wj83a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34210_at	Cluster Incl. N90866:zb11b10.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
10	35149_at	Cluster Incl. AI865431:wk11h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35625_at	Cluster Incl. X94630:H.sapiens CD97 gene exon 1 (and joined CDS) /cds=(
	36030_at	Cluster Incl. AL080214:Homo sapiens mRNA; cDNA DKFZp586I2223 (from clon
	36062_at	Cluster Incl. AF062075:Homo sapiens leupaxin mRNA, complete cds /cds=(9
	36493_at	Cluster Incl. M33552:Human lymphocyte-specific protein 1 (LSP1) mRNA, c
15	37541_at	Cluster Incl. U25956:Human P-selectin glycoprotein ligand (SELPLG) gene
	37591_at	Cluster Incl. U94592:Human uncoupling protein homolog (UCPH) mRNA, comp
	37625_at	Cluster Incl. U52682:Human lymphocyte specific interferon regulatory fa
	37645_at	Cluster Incl. Z22576:H.sapiens CD69 gene /cds=(81,680) /gb=Z22576 /gi=3
	38006_at	Cluster Incl. M37766:Human MEM-102 glycoprotein mRNA, complete cds /cds
20	38319_at	Cluster Incl. AA919102:ol84h02.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	38976_at	Cluster Incl. D44497:Human mRNA for actin binding protein p57, complete
	39049_at	Cluster Incl. AJ243937:Homo sapiens mRNA for G18.1a and G18.1b proteins
	40468_at	Cluster Incl. AB011126:Homo sapiens mRNA for KIAA0554 protein, partial
	32793_at	Cluster Incl. X00437:Human mRNA for T-cell specific protein /cds=(37,97
25	32794_g_at	Cluster Incl. X00437:Human mRNA for T-cell specific protein /cds=(37,
	36155_at	Cluster Incl. D87465:Human mRNA for KIAA0275 gene, complete cds /cds=(3
	37021_at	Cluster Incl. X16832:Human mRNA for cathepsin H (EC 3.4.22.16) /cds=(34
	38017_at	Cluster Incl. U05259:Human MB-1 gene, complete cds /cds=(36,716) /gb=U0
	38018_g_at	Cluster Incl. U05259:Human MB-1 gene, complete cds /cds=(36,716) /gb=
30	38091_at	Cluster Incl. Z49107:H.sapiens mRNA for galectin /cds=(87,1058) /gb=Z49
	38826_at	Cluster Incl. D50918:Human mRNA for KIAA0128 gene, partial cds /cds=(0,
	41577_at	Cluster Incl. AB020630:Homo sapiens mRNA for KIAA0823 protein, partial
	2059_s_at	M36881 /FEATURE=mRNA /DEFINITION=HUMLCCKAA Human lymphocyte-
	specific pr	
35	2019_s_at	M68892 /FEATURE= /DEFINITION=HUMINTB7 Human integrin beta-7 subunit
	mR	
	1760_s_at	D11327 /FEATURE= /DEFINITION=HUMLCPTP Human mRNA for protein-
	tyrosine	

- 1717_s_at U45878 /FEATURE= /DEFINITION=HSU45878 Human inhibitor of apoptosis pro
- 1583_at M32315 /FEATURE= /DEFINITION=HUMNFR Human tumor necrosis factor receptor
- 1506_at D11086 /FEATURE= /DEFINITION=HUMIL2RG Human mRNA for interleukin 2 recep
- 5 1498_at L05148 /FEATURE= /DEFINITION=HUMTYRKIN Human protein tyrosine kinase rel
- 1478_at L10717 /FEATURE= /DEFINITION=HUMTKTCS Homo sapiens T cell-specific tyros
- 1403_s_at M21121 /FEATURE= /DEFINITION=HUMTCSM Human T cell-specific protein (RA
- 1405_i_at M21121 /FEATURE= /DEFINITION=HUMTCSM Human T cell-specific protein (RA
- 10 1326_at U60519 /FEATURE= /DEFINITION=HSU60519 Human apoptotic cysteine protease
- 1105_s_at M12886 /FEATURE= /DEFINITION=HUMTCBY Y Human T-cell receptor active bet
- 1106_s_at M12959 /FEATURE= /DEFINITION=HUMTCAXB Human T-cell receptor active alp
- 15 1110_at M21624 /FEATURE=mRNA /DEFINITION=HUMTCRGC Human T-cell receptor delta ch
- 1062_g_at U00672 /FEATURE= /DEFINITION=U00672 Human interleukin-10 receptor mRNA
- 906_at L78440 /FEATURE=mRNA /DEFINITION=HUMSTAT4R Homo sapiens STAT4 mRNA,
- 20 compl
- 849_g_at U19261 /FEATURE= /DEFINITION=HSU19261 Homo sapiens Epstein-Barr virus-i
- 402_s_at X69819 /FEATURE=cds /DEFINITION=HSICAM3RN H.sapiens ICAM-3 mRNA
- 25 245_at M25280 /FEATURE= /DEFINITION=HUMLNHR Human lymph node homing receptor mRN
- 172_at U57650 /FEATURE= /DEFINITION=HSU57650 Human SH2-containing inositol 5-pho
- 160029_at X07109 /FEATURE=cds /DEFINITION=HSPKCB2A Human mRNA for protein kinase
- 30 METAGENE 162:
- ans =
- 31463_s_at Cluster Incl. AL022097:Homo sapiens DNA sequence from PAC 256G22 on c
- 35 31546_at Cluster Incl. L11566:Homo sapiens ribosomal protein L18 (RPL18) mRNA, c
- 31584_at Cluster Incl. X16064:Human mRNA for translationally controlled tumor pr
- 32432_f_at Cluster Incl. L25899:Human ribosomal protein L10 mRNA, complete cds /
- 32433_at Cluster Incl. Z97353:Human DNA sequence from clone 90L6 on chromosome 2
- 32437_at Cluster Incl. U14970:Human ribosomal protein S5 mRNA, complete cds /cds

	32440_at	Cluster Incl. X53777:Human L23 mRNA for putative ribosomal protein /cds
	33614_at	Cluster Incl. X80822:H.sapiens mRNA for ORF /cds=(133,555) /gb=X80822 /
	33660_at	Cluster Incl. U14966:Human ribosomal protein L5 mRNA, complete cds /cds
	33668_at	Cluster Incl. AF037643:Homo sapiens 60S ribosomal protein L12 (RPL12) p
5	34570_at	Cluster Incl. S79522:ubiquitin carboxyl extension protein [human, mRNA,
	34592_at	Cluster Incl. M13932:Human ribosomal protein S17 mRNA, complete cds /cd
	34609_g_at	Cluster Incl. M24194:Human MHC protein homologous to chicken B comple
	34645_at	Cluster Incl. X55715:Human Hums3 mRNA for 40S ribosomal protein s3 /cds
	34646_at	Cluster Incl. Z25749:H.sapiens gene for ribosomal protein S7 /cds=(81,6
10	35125_at	Cluster Incl. X67309:H.sapiens gene for ribosomal protein S6 /cds=(42,7
	36333_at	Cluster Incl. X57958:H.sapiens mRNA for ribosomal protein L7 /cds=(22,7
	36358_at	Cluster Incl. U09953:Human ribosomal protein L9 mRNA, complete cds /cds
	32330_at	Cluster Incl. X06617:Human mRNA for ribosomal protein S11 /cds=(15,491)
	32337_at	Cluster Incl. U25789:Human ribosomal protein L21 mRNA, complete cds /cd
15	32341_f_at	Cluster Incl. U37230:Human ribosomal protein L23a mRNA, complete cds
	36786_at	Cluster Incl. AL022721:dJ109F14.2 (60S Ribosomal Protein RPL10A) /cds=(
	39025_at	Cluster Incl. AI557912:pro3.2-2.E07.r Homo sapiens cDNA, 5 end /clone_
	39418_at	Cluster Incl. AJ007398:Homo sapiens mRNA for PBK1 protein /cds=(5,1558)
	40435_at	Cluster Incl. J03592:Human ADP/ATP translocase mRNA, 3 end, clone pHAT
20	41152_f_at	Cluster Incl. T89651:yd99a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32843_s_at	Cluster Incl. M30448:Human casein kinase II beta subunit mRNA, comple
	34316_at	Cluster Incl. W52024:zd13a03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	34317_g_at	Cluster Incl. W52024:zd13a03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	34380_at	Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds=(
25	37724_at	Cluster Incl. V00568:Human mRNA encoding the c-myc oncogene /cds=(558,1
	39173_at	Cluster Incl. X56597:Human humFib mRNA for fibrillarin /cds=(59,1024) /
	39830_at	Cluster Incl. AA044823:zk72a10.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32576_at	Cluster Incl. U94855:Homo sapiens translation initiation factor 3 47 kD
	33116_f_at	Cluster Incl. AA977163:q25a04.s1 Homo sapiens cDNA, 3 end /clone=IM
30	33117_r_at	Cluster Incl. AA977163:q25a04.s1 Homo sapiens cDNA, 3 end /clone=IM
	1973_s_at	V00568 /FEATURE=cds /DEFINITION=HSMYC1 Human mRNA encoding the
		c-myc o
	1653_at	M84711 /FEATURE= /DEFINITION=HUMFTE1A Human v-fos transformation effecto
	1151_at	Epstein-Barr Virus Small Rna-Associated Protein
35	571_at	M86667 /FEATURE= /DEFINITION=HUMNAP H.sapiens NAP (nucleosome assembly pr
	326_i_at	Ribosomal Protein S20

METAGENE 226:

	ans =	
	33630_s_at	Cluster Incl. AF026488:Homo sapiens beta III spectrin (SPTBN2) mRNA,
	38138_at	Cluster Incl. D38583:Human mRNA for calgizzarin, complete cds /cds=(120
	38161_at	Cluster Incl. Y09022:H.sapiens mRNA for Not56-like protein /cds=(31,134
5	38172_at	Cluster Incl. AB003151:Homo sapiens DNA, chromosome 21q22.2, PAC clone
	39262_at	Cluster Incl. U79266:Human clone 23627 mRNA, complete cds /cds=(184,104
	39651_at	Cluster Incl. AB006532:Homo sapiens RecQ4 mRNA for DNA helicase, comple
	40695_at	Cluster Incl. J05272:Human IMP dehydrogenase type 1 mRNA complete cds /
	41037_at	Cluster Incl. U63824:Human transcription factor RTEF-1 (RTEF1) mRNA, co
10	31858_at	Cluster Incl. X07315:Human gene for PP15 (placental protein 15) /cds=(9
	32028_at	Cluster Incl. U85773:Human phosphomannomutase (PMM2) mRNA, complete cds
	32702_at	Cluster Incl. U04810:Human tastin mRNA, complete cds /cds=(110,2446) /g
	33282_at	Cluster Incl. U42408:Human ladinin (LAD) mRNA, complete cds /cds=(219,1
	33307_at	Cluster Incl. AL022316:Human DNA sequence from clone 126B4 on chromosom
15	35620_at	Cluster Incl. AF043250:Homo sapiens mitochondrial outer membrane protei
	35714_at	Cluster Incl. U89606:Human pyridoxal kinase mRNA, complete cds /cds=(6,
	35723_at	Cluster Incl. D16581:Human mRNA for 8-oxo-dGTPase, complete cds /cds=(2
	37945_at	Cluster Incl. U91316:Human acyl-CoA thioester hydrolase mRNA, complete
	38618_at	Cluster Incl. AC002073:Human PAC clone DJ515N1 from 22q11.2-q22 /cds=(0
20	39020_at	Cluster Incl. U82938:Human CD27BP (Siva) mRNA, complete cds /cds=(252,8
	39059_at	Cluster Incl. AF034544:Homo sapiens delta7-sterol reductase mRNA, compl
	39062_at	Cluster Incl. AL008726:dJ337O18.2 (Lysosomal Protective Protein precurs
	39074_at	Cluster Incl. U79241:Human clone 23759 mRNA, partial cds /cds=(0,1315)
	39704_s_at	Cluster Incl. L17131:Human high mobility group protein (HMG-I(Y)) gen
25	41732_at	Cluster Incl. AA310786:EST181572 Homo sapiens cDNA, 5' end /clone=ATCC-
	32186_at	Cluster Incl. M80244:Human E16 mRNA, complete cds /cds=(310,1035) /gb=M
	32229_at	Cluster Incl. AF038957:Homo sapiens translation initiation factor 4e mR
	34865_at	Cluster Incl. AI360249:qy84f07.x1 Homo sapiens cDNA, 3' end /clone=IMAG
	35326_at	Cluster Incl. AF004876:Homo sapiens 54TmP (54tm) mRNA, complete cds /cd
30	36185_at	Cluster Incl. D32050:Human mRNA for alanyl-tRNA synthetase, complete cd
	36678_at	Cluster Incl. D21261:Human mRNA for KIAA0120 gene, complete cds /cds=(7
	38414_at	Cluster Incl. U05340:Human p55CDC mRNA, complete cds /cds=(110,1609) /g
	38808_at	Cluster Incl. D64154:Human mRNA for Mr 110,000 antigen, complete cds /c
	39812_at	Cluster Incl. X79865:H.sapiens Mrp17 mRNA /cds=(137,733) /gb=X79865 /gi
35	40195_at	Cluster Incl. X14850:Human H2A.X mRNA encoding histone H2A.X /cds=(73,5
	40619_at	Cluster Incl. M91670:Human ubiquitin carrier protein (E2-EPF) mRNA, com
	32536_at	Cluster Incl. Z37986:H.sapiens mRNA for phenylalkylamine binding protei
	33206_at	Cluster Incl. C18655:C18655 Homo sapiens cDNA, 5' end /clone=GEN-565G08

- 2028_s_at M96577 /FEATURE= /DEFINITION=HUME2F Homo sapiens (E2F-1) pRB-binding p
- 1196_at D00591 /FEATURE=exons#7-14 /DEFINITION=HUMRCC1 Homo sapiens RCC1 gene, e
- 893_at M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier protein (E2
- 5 894_g_at M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier protein (
- 480_at U56816 /FEATURE= /DEFINITION=HSU56816 Human kinase Myt1 (Myt1) mRNA, comp
- 160037_at Z48482 /FEATURE=cds /DEFINITION=HSMMPM2 H.sapiens mRNA, for
- 10 membrane-ty

METAGENE 294:

- ans =
- 15 35925_at Cluster Incl. AF040639:Homo sapiens aflatoxin B1-aldehyde reductase mRN
- 36778_at Cluster Incl. Z48804:H.sapiens mRNA (ocular albinism type 1 related) /c
- 37780_at Cluster Incl. AB011131:Homo sapiens mRNA for KIAA0559 protein, partial
- 41111_at Cluster Incl. U68418:Human branched chain aminotransferase precursor (B
- 37897_s_at Cluster Incl. AI985964:wr79d08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 20 38292_at Cluster Incl. AF093264:Homo sapiens homer-2b mRNA, complete cds /cds=(0
- 39369_at Cluster Incl. AB023152:Homo sapiens mRNA for KIAA0935 protein, partial
- 38418_at Cluster Incl. X59798:Human PRAD1 mRNA for cyclin /cds=(147,1034) /gb=X5
- 39087_at Cluster Incl. U28249:Human 11kd protein mRNA, complete cds /cds=(259,59
- 2017_s_at M64349 /FEATURE= /DEFINITION=HUMCYCD1 Human cyclin D (cyclin D1)
- 25 mRNA,
- 2020_at M73554 /FEATURE= /DEFINITION=HUMBCL1 Human bcl-1 mRNA, complete CDS

METAGENE 307:

- 30 ans =
- 31410_at Cluster Incl. AF023614:Homo sapiens transmembrane activator and CAML in
- 31559_at Cluster Incl. U26209:Human renal sodium/dicarboxylate cotransporter (NA
- 31594_at Cluster Incl. Y16788:Homo sapiens hHa3-I gene, complete CDS /cds=(0,121
- 31947_r_at Cluster Incl. X74143:H.sapiens HBF-2 mRNA for transcription factor /c
- 35 32000_g_at Cluster Incl. AI344681:qp09h03.x1 Homo sapiens cDNA, 3 end /clone=IM
- 33016_at Cluster Incl. AI052224:oz21a02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34066_at Cluster Incl. AJ012590:Homo sapiens mRNA for glucose 1-dehydrogenase /c
- 34093_at Cluster Incl. AI829701:wf09d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34161_at Cluster Incl. U39573:Human salivary peroxidase mRNA, complete cds /cds=

	34166_at	Cluster Incl. S80071:hPROT=brain-specific L-proline transporter [human,
	34558_at	Cluster Incl. U30185:Human orphan opioid receptor mRNA, complete cds /c
	34568_at	Cluster Incl. X82634:Homo sapiens mRNA for hair keratin acidic 3-II /cd
	34573_at	Cluster Incl. U14187:Human receptor tyrosine kinase ligand LERK-3 (EPLG
5	35124_at	Cluster Incl. M62982:Human arachidonate 12-lipoxygenase mRNA, complete
	35503_at	Cluster Incl. M81590:Homo sapiens serotonin 1D receptor (5-HT1D~) mRNA,
	35505_at	Cluster Incl. AI290660:qm12b10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35590_s_at	Cluster Incl. X81832:H.sapiens mRNA for glucose-dependant insulinotro
	36338_at	Cluster Incl. W28504:48e7 Homo sapiens cDNA /gb=W28504 /gi=1308515 /ug=
10	32269_at	Cluster Incl. W26805:13a12 Homo sapiens cDNA /gb=W26805 /gi=1305889 /ug
	32897_at	Cluster Incl. AJ237672:Homo sapiens mRNA for methylenetetrahydrofolate
	33967_at	Cluster Incl. M31525:Human MHC class II lymphocyte antigen (HLA-DNA) ge
	35378_at	Cluster Incl. AI051683:oy77h08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	36307_at	Cluster Incl. D87468:Human mRNA for KIAA0278 gene, partial cds /cds=(0,
15	36737_at	Cluster Incl. U59057:Human beta-A4 crystallin (CRYBA4) mRNA, complete c
	38229_at	Cluster Incl. X90579:H.sapiens DNA for cyp related pseudogene /cds=UNKN
	38530_at	Cluster Incl. W26021:18c10 Homo sapiens cDNA /gb=W26021 /gi=1306306 /ug
	38901_at	Cluster Incl. AB020698:Homo sapiens mRNA for KIAA0891 protein, partial
	39225_at	Cluster Incl. Y09443:H.sapiens mRNA for alkyl-dihydroxyacetonephosphate
20	39290_f_at	Cluster Incl. W28257:44c1 Homo sapiens cDNA /gb=W28257 /gi=1308205 /u
	40295_at	Cluster Incl. AB009288:Homo sapiens mRNA for N-copine, complete cds /cd
	41445_at	Cluster Incl. X02812:Human mRNA for transforming growth factor-beta (TG
	31861_at	Cluster Incl. L14754:Human DNA-binding protein (SMBP2) mRNA, complete c
	32699_s_at	Cluster Incl. X64116:H.sapiens PVR gene for poliovirus receptor (exon
25	35150_at	Cluster Incl. X60592:Human CDw40 mRNA for nerve growth factor receptor-
	35996_at	Cluster Incl. X98261:H.sapiens mRNA for M-phase phosphoprotein, mpp5 /c
	37195_at	Cluster Incl. M14565:Human cholesterol side-chain cleavage enzyme P450s
	37939_at	Cluster Incl. AL022318:bK150C2.3 (PUTATIVE novel protein similar to APO
	38707_r_at	Cluster Incl. S75174:E2F-4=transcription factor [human, Nalm6 and HeL
30	39011_at	Cluster Incl. X99906:Homo sapiens mRNA for alpha endosulfine /cds=(125,
	39689_at	Cluster Incl. AI362017:qy39a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41125_r_at	Cluster Incl. D45421:Human mRNA for phosphodiesterase I alpha, comple
	33416_at	Cluster Incl. AI332820:qp96e06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34803_at	Cluster Incl. AF022789:Homo sapiens ubiquitin hydrolyzing enzyme I (UBH
35	35782_at	Cluster Incl. AB014557:Homo sapiens mRNA for KIAA0657 protein, partial
	38088_r_at	Cluster Incl. M80563:Human CAPL protein mRNA, complete cds /cds=(135,
	38447_at	Cluster Incl. U08438:Human beta-adrenergic receptor kinase (ADRBK1) gen
	39473_r_at	Cluster Incl. W29065:56g2 Homo sapiens cDNA /gb=W29065 /gi=1309094 /u
	39868_at	Cluster Incl. AL046394:DKFZp434M217_r1 Homo sapiens cDNA, 5 end /clone

- 39917_at Cluster Incl. AI961040:wq58f01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 40241_at Cluster Incl. U09850:Human zinc finger protein (ZNF143) mRNA, complete
- 40622_r_at Cluster Incl. AL096740:Homo sapiens mRNA; cDNA DKFZp586K2123 (from cl
- 40886_at Cluster Incl. L41498:Homo sapiens longation factor 1-alpha 1 (PTI-1) mR
- 5 40975_s_at Cluster Incl. AL050258:Novel human mRNA similar to mouse tuftelin-int
- 41301_at Cluster Incl. W28608:49b1 Homo sapiens cDNA /gb=W28608 /gi=1308556 /ug=
- 41324_g_at Cluster Incl. U90917:Human clone 23641 mRNA sequence /cds=UNKNOWN /gb
- 41340_at Cluster Incl. AA827795:od08a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41500_at Cluster Incl. AI761818:wi62g02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 10 41525_at Cluster Incl. N25429:yx76b02.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 32557_at Cluster Incl. AI762438:wg57a07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33110_at Cluster Incl. AI356682:qy22a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33151_s_at Cluster Incl. W25932:15b1 Homo sapiens cDNA /gb=W25932 /gi=1306055 /u
- 33211_at Cluster Incl. AW051889:wz04f05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 15 2005_s_at U31317 /FEATURE= /DEFINITION=HSU31317 Human JAK family tyrosine
protei
- 2013_at U35117 /FEATURE= /DEFINITION=HSU35117 Human transcription factor Dp-2 mR
- 1925_at Z36714 /FEATURE=mRNA /DEFINITION=HSCYCLF H.sapiens mRNA for cyclin F
- 1894_f_at Neurofibromatosis 2 Tumor Suppressor
- 20 1827_s_at M13929 /FEATURE=mRNA /DEFINITION=HUMMYCPOA Human c-myc-P64
mRNA, initi
- 1792_g_at M68520 /FEATURE= /DEFINITION=HUMCDC2A Human cdc2-related protein
kinas
- 1627_at Tyrosine Kinase
- 25 1483_at L34059 /FEATURE= /DEFINITION=HUMCA4A Homo sapiens cadherin-4 mRNA, compl
- 1469_at U12779 /FEATURE= /DEFINITION=HSU12779 Human MAP kinase activated protein
- 1415_at D26561 /FEATURE=cds#3 /DEFINITION=D26561 Homo sapiens cellular DNA conta
- 1254_at L36861 /FEATURE=expanded_cds /DEFINITION=HUMGCAPB Homo sapiens guanylate
- 1167_s_at D86331 /FEATURE= /DEFINITION=D86331 Human MT2-MMP gene for matrix
- 30 meta
- 1008_f_at U50648 /FEATURE=mRNA /DEFINITION=HSIIPKR17 Human interferon-
inducible
- 882_at M37435 /FEATURE= /DEFINITION=HUMCSDF1 Human macrophage-specific colony-st
- 734_at Mucin 4, Tracheobronchial
- 35 534_s_at U20391 /FEATURE=mRNA#1 /DEFINITION=HSU20391 Human folate receptor
(FOLR
- 385_at X71874 /FEATURE=cds#2 /DEFINITION=HSPROSCHY H.sapiens genes for proteasom
- 396_f_at X97671 /FEATURE=cds /DEFINITION=HSERYTHR H.sapiens mRNA for erythropoie

METAGENE 315 :

	ans =	
	31477_at	Cluster Incl. L08044:Human intestinal trefoil factor mRNA, complete cds
5	36374_at	Cluster Incl. U79293:Human clone 23948 mRNA sequence /cds=UNKNOWN /gb=U
	38960_at	Cluster Incl. U45975:Human phosphatidylinositol (4,5)bisphosphate 5-pho
	39669_at	Cluster Incl. AJ009985:Homo sapiens mRNA for annexin 31 /cds=(436,1452)
	41660_at	Cluster Incl. AL031588:dJ1163J1.1 (ortholog of mouse transmembrane rece
10	31805_at	Cluster Incl. M64347:Human novel growth factor receptor mRNA, 3 cds /cd
	32108_at	Cluster Incl. M76231:Human sepiapterin reductase mRNA, complete cds /cd
	35164_at	Cluster Incl. AF084481:Homo sapiens transmembrane protein (WFS1) mRNA,
	35676_at	Cluster Incl. AF006386:Homo sapiens axonemal dynein light chain (hp28)
	36454_at	Cluster Incl. AF037335:Homo sapiens carbonic anhydrase precursor (CA 12
15	36495_at	Cluster Incl. U21931:Human fructose-1,6-biphosphatase (FBP1) gene /cds=
	39755_at	Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromosome
	39756_g_at	Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromoso
	40148_at	Cluster Incl. U62325:Human FE65-like protein (hFE65L) mRNA, partial cds
	40422_at	Cluster Incl. X16302:Human mRNA for insulin-like growth factor binding
20	40511_at	Cluster Incl. X58072:Human hGATA3 mRNA for trans-acting T-cell specific
	32251_at	Cluster Incl. AA149307:z125h05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	34775_at	Cluster Incl. AF065388:Homo sapiens tetraspan NET-1 mRNA, complete cds
	34788_at	Cluster Incl. AL049365:Homo sapiens mRNA; cDNA DKFZp586A0618 (from clon
25	34859_at	Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE) /
	34860_g_at	Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE)
	35275_at	Cluster Incl. AL050025:Homo sapiens mRNA; cDNA DKFZp564D066 (from clone
	35766_at	Cluster Incl. M26326:Human keratin 18 mRNA, complete cds /cds=(51,1343)
30	35770_at	Cluster Incl. D16469:Human mRNA for ORF, Xq terminal portion /cds=(1353
	37008_r_at	Cluster Incl. M68516:Human protein C inhibitor gene, complete cds /cd
	40902_at	Cluster Incl. AL050082:Homo sapiens mRNA; cDNA DKFZp566J2446 (from clon
	1822_at	Oncogene Ret/Ptc2, Fusion Activated
	1823_g_at	Oncogene Ret/Ptc2, Fusion Activated
35	1745_at	Oncogene Ret/Ptc, Fusion Activated
	1741_s_at	S37730 /FEATURE=cds /DEFINITION=S37712S4 insulin-like growth factor bi
	520_at	U07358 /FEATURE= /DEFINITION=HSU07358 Human protein kinase (zpk) mRNA, co

METAGENE 327 :

	ans =	
	34563_at	Cluster Incl. D26361:Human mRNA for KIAA0042 gene, complete cds /cds=(4
	32324_at	Cluster Incl. X57346:H.sapiens mRNA for HS1 protein /cds=(372,1112) /gb
5	38158_at	Cluster Incl. D79987:Human mRNA for KIAA0165 gene, complete cds /cds=(1
	38933_at	Cluster Incl. AL021366:cICK0721Q.3 (Kinesin related protein) /cds=(163,
	39677_at	Cluster Incl. D80008:Human mRNA for KIAA0186 gene, complete cds /cds=(9
	40041_at	Cluster Incl. AF017790:Homo sapiens retinoblastoma-associated protein H
	40347_at	Cluster Incl. AA913812:ol39a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
10	40348_s_at	Cluster Incl. W25866:14c12 Homo sapiens cDNA /gb=W25866 /gi=1305989 /
	40690_at	Cluster Incl. X54942:H.sapiens ckshs2 mRNA for Cks1 protein homologue /
	40726_at	Cluster Incl. U37426:Human kinesin-like spindle protein HKSP (HKSP) mRN
	41403_at	Cluster Incl. AI032612:ow17e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41415_at	Cluster Incl. L36720:Homo sapiens bystin mRNA, complete cds /cds=(64,98
15	41650_at	Cluster Incl. U63810:Homo sapiens WD40 protein Ciao 1 mRNA, complete cd
	32120_at	Cluster Incl. AF063308:Homo sapiens coiled-coil related protein DEEPEST
	33252_at	Cluster Incl. D38073:Human mRNA for hRlf beta subunit (p102 protein), c
	33266_at	Cluster Incl. AF015254:Homo sapiens serine/threonine kinase (STK-1) mRN
	34715_at	Cluster Incl. U74612:Human hepatocyte nuclear factor-3/fork head homolo
20	34736_at	Cluster Incl. M25753:Human cyclin B mRNA, 3 end /cds=UNKNOWN
	/gb=M2575	
	35249_at	Cluster Incl. AF091433:Homo sapiens cyclin E2 mRNA, complete cds /cds=(
	35699_at	Cluster Incl. AF053306:Homo sapiens mitotic checkpoint kinase Mad3L (MA
	35995_at	Cluster Incl. AF067656:Homo sapiens ZW10 interactor Zwint mRNA, complet
25	36813_at	Cluster Incl. U96131:Homo sapiens HPV16 E1 protein binding protein mRNA
	36839_at	Cluster Incl. U77949:Human Cdc6-related protein (HsCDC6) mRNA, complete
	36863_at	Cluster Incl. AF032862:Homo sapiens intracellular hyaluronic acid bindi
	37193_at	Cluster Incl. D78335:Human mRNA for 5-terminal region of UMK, complete
	37228_at	Cluster Incl. U01038:Human pLK mRNA, complete cds /cds=(63,1874) /gb=U0
30	37920_at	Cluster Incl. U70370:Human hindlimb expressed homeobox protein backfoot
	38675_at	Cluster Incl. AI087268:oz77e01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40074_at	Cluster Incl. X16396:Human mRNA for NAD-dependent methylene tetrahydrof
	40117_at	Cluster Incl. D84557:Homo sapiens mRNA for HsMcm6, complete cds /cds=(6
	40145_at	Cluster Incl. AI375913:tc14c08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
35	40412_at	Cluster Incl. AA203476:zx55e01.r1 Homo sapiens cDNA, 5 end /clone=IMAG
	40417_at	Cluster Incl. D43950:Human mRNA for KIAA0098 gene, partial cds /cds=(0,
	32222_at	Cluster Incl. AA152202:zl06a03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32767_at	Cluster Incl. M74558:Human SIL mRNA, complete cds /cds=(380,4243) /gb=M
	34829_at	Cluster Incl. U59151:Human Cbf5p homolog (CBF5) mRNA, complete cds /cds

- 34851_at Cluster Incl. AF011468:Homo sapiens serine/threonine kinase (BTAK) mRNA
- 35312_at Cluster Incl. D21063:Human mRNA for KIAA0030 gene, partial cds /cds=(0,
- 35839_at Cluster Incl. D78130:Homo sapiens mRNA for squalene epoxidase, complete
- 37302_at Cluster Incl. U30872:Human mitotin mRNA, complete cds /cds=(72,9413) /g
- 5 38116_at Cluster Incl. D14657:Human mRNA for KIAA0101 gene, complete cds /cds=(6
- 38456_s_at Cluster Incl. AL049650:dJ734P14.2.2 (snRNP (small nuclear ribonucleop
- 38804_at Cluster Incl. AF053641:Homo sapiens brain cellular apoptosis susceptibi
- 39109_at Cluster Incl. AB024704:Homo sapiens mRNA for fls353, complete cds /cds=
- 41583_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B
- 10 1943_at X51688 /FEATURE=mRNA /DEFINITION=HSCYCLINA Human mRNA for cyclin A
- 1945_at M25753 /FEATURE=mRNA /DEFINITION=HUMCYCB Human cyclin B mRNA, 3 end
- 1809_at AB003698 /FEATURE= /DEFINITION=AB003698 Homo sapiens mRNA for Cdc7-relat
- 1651_at U73379 /FEATURE= /DEFINITION=HSU73379 Human cyclin-selective ubiquitin c
- 1599_at L25876 /FEATURE= /DEFINITION=HUMPTPB Homo sapiens protein tyrosine phosph
- 15 1544_at U39817 /FEATURE= /DEFINITION=HSU39817 Human Bloom s syndrome protein (BL
- 1536_at U77949 /FEATURE= /DEFINITION=HSU77949 Human Cdc6-related protein (HsCDC6
- 1516_g_at Rad2
- 1055_g_at M87339 /FEATURE= /DEFINITION=HUMACT1A Human replication factor C,
- 37-k
- 20 904_s_at L47276 /FEATURE=UTR#1 /DEFINITION=HUMTOPATR Homo sapiens (cell
- line HL-
- 572_at M86699 /FEATURE= /DEFINITION=HUMTTK Human kinase (TTK) mRNA, complete
- cds
- 527_at U14518 /FEATURE= /DEFINITION=HSU14518 Human centromere protein-A (CENP-A)
- 25 419_at X65550 /FEATURE=exon#15 /DEFINITION=HSMKI67 H.sapiens mki67a mRNA (long t
- 349_g_at D14678 /FEATURE= /DEFINITION=HUMMHCB Human mRNA for kinesin-
- related pro
- 149_at U90426 /FEATURE= /DEFINITION=HSU90426 Human nuclear RNA helicase, complet
- 151_s_at V00599 /FEATURE=mRNA /DEFINITION=HSTUB2 Human mRNA fragment
- 30 encoding be

METAGENE 328 :

- ans =
- 35 37472_at Cluster Incl. U60337:Homo sapiens beta-mannosidase mRNA, complete cds /
- 37874_at Cluster Incl. Z47553:H.sapiens mRNA for flavin-containing monooxygenase
- 38151_at Cluster Incl. AF002672:Homo sapiens breast cancer suppressor candidate
- 39597_at Cluster Incl. AB020650:Homo sapiens mRNA for KIAA0843 protein, complete
- 40038_at Cluster Incl. W02490:za48b02.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-

- 32079_at Cluster Incl. AB014539:Homo sapiens mRNA for KIAA0639 protein, partial
 32664_at Cluster Incl. D37931:Human mRNA for RNase 4, complete cds /cds=(27,470)
 32685_at Cluster Incl. AB002349:Human mRNA for KIAA0351 gene, complete cds /cds=
 33749_at Cluster Incl. AB007455:Homo sapiens mRNA for P53TG1-A, complete cds /cd
 5 39752_at Cluster Incl. AF040704:Homo sapiens putative tumor suppressor protein (
 35834_at Cluster Incl. X59766:H.sapiens mRNA for Zn-alpha2-glycoprotein /cds=(10
 33140_at Cluster Incl. AF029893:Homo sapiens i-beta-1,3-N-acetylglucosaminyltran
 1103_at M11567 /FEATURE=mRNA /DEFINITION=HUMAGG Human angiogenin gene,
 complete

10

METAGENE 332 :

ans =

- 37149_s_at Cluster Incl. U95626:Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (c
 15 39295_s_at Cluster Incl. AF049884:Homo sapiens Arg/Abl-interacting protein ArgBP
 41087_at Cluster Incl. AC004774:Homo sapiens BAC clone RG300E22 from 7q21-q31.1
 33331_at Cluster Incl. U17077:Human BENE mRNA, partial cds /cds=(0,446) /gb=U170
 36053_at Cluster Incl. AF041248:Homo sapiens cyclin-dependent kinase inhibitor (
 37265_at Cluster Incl. D87074:Human mRNA for KIAA0237 gene, complete cds /cds=(4
 20 40466_at Cluster Incl. Z74792:H.sapiens mRNA for CCAAT transcription binding fac
 40508_at Cluster Incl. AF025887:Homo sapiens glutathione S-transferase A4-4 (GST
 33392_at Cluster Incl. AL080155:Homo sapiens mRNA; cDNA DKFZp434J154 (from clone
 34365_at Cluster Incl. AF042386:Homo sapiens cyclophilin-33B (CYP-33) mRNA, comp
 36118_at Cluster Incl. AJ000882:Homo sapiens mRNA for steroid receptor coactivat
 25 41806_at Cluster Incl. J04513:Human basic fibroblast growth factor (bFGF) 22.5 k
 1860_at U58334 /FEATURE= /DEFINITION=HSU58334 Human Bcl2, p53 binding protein Bb

METAGENE 334 :

30

ans =

- 32434_at Cluster Incl. D10522:Homo sapiens mRNA for 80K-L protein, complete cds
 37163_at Cluster Incl. AL050374:Homo sapiens mRNA; cDNA DKFZp586C1619 (from
 clon
 41368_at Cluster Incl. AA922934:oh10g06.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 35 36491_at Cluster Incl. D82345:Homo sapiens mRNA for NB thymosin beta, complete c
 39379_at Cluster Incl. AL049397:Homo sapiens mRNA; cDNA DKFZp586C1019 (from
 clon
 41142_at Cluster Incl. U62961:Human succinyl CoA-3-oxoacid CoA transferase precu

- 32190_at Cluster Incl. AL050118:Homo sapiens mRNA; cDNA DKFZp586C201 (from clone
- 32855_at Cluster Incl. L00352:Human low density lipoprotein receptor gene /cds=(
- 41517_g_at Cluster Incl. U95735:Human SNARE protein Ykt6 (YKT6) mRNA, complete c
- 5 2050_s_at M29870 /FEATURE= /DEFINITION=HUMRACA Human ras-related C3 botulinum to

METAGENE 344 :

- 10 ans =
- 31426_at Cluster Incl. U34806:Human G protein-coupled receptor (GPR15) gene, com
- 31495_at Cluster Incl. D63789:Homo sapiens DNA for SCM-1beta precursor, complete
- 31554_at Cluster Incl. X55019:H.sapiens mRNA for acetylcholine receptor delta su
- 31621_s_at Cluster Incl. M36860:Human elastin mRNA, complete cds /cds=(49,2241)
- 15 31626_i_at Cluster Incl. AF047485:Homo sapiens amine oxidase pseudogene mRNA, sp
- 31740_s_at Cluster Incl. AB008913:Homo sapiens mRNA for Pax-4, complete cds /cds
- 31745_at Cluster Incl. AF007194:Homo sapiens mucin (MUC3) mRNA, partial cds /cds
- 31975_at Cluster Incl. X55503:H.sapiens pseudogene for metallothionein and AG/CT
- 31993_f_at Cluster Incl. U80764:Human EST clone 122887 mariner transposon Hsmar1
- 20 32397_r_at Cluster Incl. AA079018:zm94e12.s1 Homo sapiens cDNA, 3 end /clone=IM
- 32468_f_at Cluster Incl. D90278:Human CGM1b mRNA for CD66d /cds=(61,594) /gb=D90
- 33011_at Cluster Incl. Y10148:H.sapiens mRNA for NTR2 receptor /cds=(36,1268) /g
- 33027_at Cluster Incl. W27906:39d11 Homo sapiens cDNA /gb=W27906 /gi=1307854 /ug
- 33071_at Cluster Incl. Z98744:histone H2B /cds=(5,382) /gb=Z98744 /gi=3080457 /u
- 25 33080_s_at Cluster Incl. AB007943:Homo sapiens mRNA for KIAA0474 protein, comple
- 33090_at Cluster Incl. AJ007292:Homo sapiens mRNA for ephrin-A2 /cds=(15,656) /g
- 33622_at Cluster Incl. Z26308:H.sapiens isoform 1 gene for L-type calcium channe
- 33640_at Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /cds
- 34104_i_at Cluster Incl. AI147237:qb36f02.x1 Homo sapiens cDNA, 3 end /clone=IM
- 30 34108_g_at Cluster Incl. AJ005577:Homo sapiens pfkfb2 gene, exons 1 to 15 /cds=(
- 34131_at Cluster Incl. AB026891:Homo sapiens mRNA for cystine/glutamate transpor
- 34167_s_at Cluster Incl. AA984230:am82g03.s1 Homo sapiens cDNA, 3 end /clone=IM
- 35534_at Cluster Incl. AB011086:Homo sapiens mRNA for KIAA0514 protein, complete
- 32282_at Cluster Incl. U66047:Human clone Z3-1 placenta expressed mRNA from chro
- 35 33558_at Cluster Incl. Y09445:H.sapiens mRNA for transcription factor TBX5 /cds=
- 34005_at Cluster Incl. X73079:Homo sapiens encoding Polymeric immunoglobulin rec
- 34949_at Cluster Incl. AB028971:Homo sapiens mRNA for KIAA1048 protein, complete
- 34963_at Cluster Incl. AA557228:nl75c09.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35379_at Cluster Incl. X54412:Human mRNA for alpha1(IX) collagen (long form) /cd

	35492_at	Cluster Incl. AC004523:Homo sapiens chromosome 19, cosmid F22329 /cds=(
	35864_at	Cluster Incl. Y00970:Human mRNA for acrosin (EC 3.4.21.10) /cds=(16,128
	35882_at	Cluster Incl. AI075181:oy96b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35910_f_at	Cluster Incl. AJ003147:Homo sapiens complete genomic sequence between
5	37061_at	Cluster Incl. U29615:Human chitotriosidase precursor mRNA, complete cds
	37095_r_at	Cluster Incl. M84562:Human formyl peptide receptor-like receptor (FPR
	37140_s_at	Cluster Incl. AF061193:Homo sapiens ectodysplasin-A isoform EDA-E (ED
	37151_at	Cluster Incl. AF052120:Homo sapiens clone 23836 mRNA sequence /cds=UNKN
	37418_at	Cluster Incl. M36653:Human Oct-2 factor mRNA, complete cds /cds=UNKNOWN
10	37429_g_at	Cluster Incl. AI140857:qa83c11.s1 Homo sapiens cDNA, 3 end /clone=IM
	37517_at	Cluster Incl. AB028962:Homo sapiens mRNA for KIAA1039 protein, partial
	37796_at	Cluster Incl. AF053356:Homo sapiens chromosome 7q22 sequence /cds=(0,24
	38162_at	Cluster Incl. AF007156:Homo sapiens clone 23617 unknown mRNA, partial c
	38193_at	Cluster Incl. X96754:H.sapiens gene encoding kappa light chain constant
15	38538_at	Cluster Incl. AB014602:Homo sapiens mRNA for KIAA0702 protein, complete
	38607_at	Cluster Incl. AF027204:Homo sapiens putative tetraspan transmembrane pr
	39609_at	Cluster Incl. U80457:Human transcription factor SIM2 short form mRNA, c
	40376_at	Cluster Incl. X83573:Homo sapiens ARSE gene, complete CDS /cds=(67,1836
	40651_s_at	Cluster Incl. AF039523:untitled /cds=(0,1334) /gb=AF039523 /gi=282812
20	41034_s_at	Cluster Incl. U92315:Homo sapiens hydroxysteroid sulfotransferase SUL
	31810_g_at	Cluster Incl. Z21488:H.sapiens contactin mRNA /cds=(121,3177) /gb=Z21
	31819_at	Cluster Incl. AI796281:wh49a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	32104_i_at	Cluster Incl. U66063:Homo sapiens calcium/calmodulin-dependent protei
	32701_at	Cluster Incl. U51269:Human armadillo repeat protein mRNA, complete cds
25	32739_at	Cluster Incl. AA001791:zh86c04.r1 Homo sapiens cDNA, 5 end /clone=IMAG
	35201_at	Cluster Incl. X16135:Human mRNA for novel heterogeneous nuclear RNP pro
	36557_at	Cluster Incl. M92303:Human voltage-dependent calcium channel beta-1 sub
	37285_at	Cluster Incl. X60364:Human ALAS mRNA for 5-aminolevulinate synthase pre
	37633_s_at	Cluster Incl. J04129:Human placental protein 14 (PP14) mRNA, complete
30	37905_r_at	Cluster Incl. X66436:H.sapiens hsr1 mRNA (partial) /cds=UNKNOWN /gb=X
	38297_at	Cluster Incl. X98654:H.sapiens mRNA for DRES9 protein /cds=(189,3923) /
	39335_at	Cluster Incl. AI074025:oy66g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	32220_at	Cluster Incl. D63874:Human mRNA for HMG-1, complete cds /cds=(76,723) /
	34351_at	Cluster Incl. AL022394:dJ511B24.2 (1-Phosphatidylinositol-4,5-Bisphosph
35	34405_at	Cluster Incl. U47927:Human isopeptidase T (ISOT) mRNA, complete cds /cd
	34846_at	Cluster Incl. AF112472:Homo sapiens calcium/calmodulin-dependent protei
	38822_at	Cluster Incl. AB011420:Homo sapiens mRNA for DRAK1, complete cds /cds=(
	39451_i_at	Cluster Incl. AF050145:Homo sapiens iduronate-2-sulfatase (IDS) mRNA,
	39459_at	Cluster Incl. W28765:51d2 Homo sapiens cDNA /gb=W28765 /gi=1308713 /ug=

- 39474_s_at Cluster Incl. AF045800:Homo sapiens gremlin mRNA, complete cds /cds=(
 39490_f_at Cluster Incl. W26381:29b11 Homo sapiens cDNA /gb=W26381 /gi=1307098 /
 39500_s_at Cluster Incl. AL049299:Homo sapiens mRNA; cDNA DKFZp564P233 (from clo
 39508_at Cluster Incl. AI201607:qb81b03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 5 40904_at Cluster Incl. AI857673:wk96c02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 41001_at Cluster Incl. AB023202:Homo sapiens mRNA for KIAA0985 protein, complete
 41286_at Cluster Incl. X77753:H.sapiens TROP-2 gene /cds=(615,1586) /gb=X77753 /
 41799_at Cluster Incl. W28595:48h8 Homo sapiens cDNA /gb=W28595 /gi=1308543 /ug=
 32525_r_at Cluster Incl. W29012:55a6 Homo sapiens cDNA /gb=W29012 /gi=1308969 /u
 10 32540_at Cluster Incl. AI762547:wh92e05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 1967_f_at U18334 /FEATURE=cds /DEFINITION=HSUNOSIIC1 Human nitric oxide
 synthase
 1804_at X07730 /FEATURE= /DEFINITION=HSPSA Human mRNA for prostate specific anti
 1432_s_at D16105 /FEATURE= /DEFINITION=HUMLTKLP2 Human mRNA for leukocyte
 15 tyrosi
 1296_at D83542 /FEATURE= /DEFINITION=HUMC15A Homo sapiens mRNA for cadherin-15,
 1089_i_at M64936 /FEATURE= /DEFINITION=HUMRIRT Homo sapiens retinoic acid-
 induci
 970_r_atX98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for ubiquitin
 20 916_at L18983 /FEATURE=mRNA /DEFINITION=HUMTYROPHO Homo sapiens tyrosine
 phospho
 870_f_atM93311 /FEATURE=cds /DEFINITION=HUMMETIII Human metallothionein-III gen
 726_f_atChorionic Somatomammotropin Hormone Cs-5
 259_s_at M16441 /FEATURE=cds#2 /DEFINITION=HUMTNFAB Human tumor necrosis
 25 factor

METAGENE 347 :

- ans =
 30 33647_s_at Cluster Incl. AA224768:nc12d09.r1 Homo sapiens cDNA /clone=IMAGE-1007
 35934_at Cluster Incl. L19161:Human translation initiation factor eIF-2 gamma su
 37507_i_at Cluster Incl. AA675900:g02504r Homo sapiens cDNA, 5 end /clone=g0250
 38230_at Cluster Incl. U81984:Human endothelial PAS domain protein 1 (EPAS1) mRN
 38881_i_at Cluster Incl. AF096870:Homo sapiens estrogen-responsive B box protein
 35 32038_s_at Cluster Incl. AI739308:wi30c12.x1 Homo sapiens cDNA, 3 end /clone=IM
 40100_at Cluster Incl. U72206:Human guanine nucleotide regulatory factor (LFP40)
 40845_at Cluster Incl. U10324:Human nuclear factor NF90 mRNA, complete cds /cds=
 33818_at Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds=(
 34374_g_at Cluster Incl. Z97054:Human DNA sequence from PAC 339A18 on chromosome

- 35287_at Cluster Incl. AF046888:Homo sapiens proliferation inducing ligand APRIL
- 37024_at Cluster Incl. AF010312:Homo sapiens Pig7 (PIG7) mRNA, complete cds /cds
- 38393_at Cluster Incl. D87434:Human mRNA for KIAA0247 gene, complete cds /cds=(2
- 38401_s_at Cluster Incl. W27594:34h4 Homo sapiens cDNA /gb=W27594 /gi=1307542 /u
- 5 2025_s_at M80261 /FEATURE= /DEFINITION=HUMAPE Human apurinic endonuclease (APE)
- 1950_s_at AB004922 /FEATURE=cds /DEFINITION=AB004922S1 Homo sapiens gene for Sma
- 1936_s_at Proto-Oncogene C-Myc, Alt. Splice 3, Orf 114
- 10 1272_at L19161 /FEATURE= /DEFINITION=HUMIEF2G Human translation initiation facto
- 1244_at U18671 /FEATURE=mRNA /DEFINITION=HSU18671 Human Stat2 gene, complete cds
- 1220_g_at X15949 /FEATURE=cds /DEFINITION=HSIRF2 Human mRNA for interferon regul
- 1199_at D13748 /FEATURE= /DEFINITION=HUM4AI Human mRNA for eukaryotic initiation
- 15 898_s_at L37360 /FEATURE= /DEFINITION=HUMEFL2 Homo sapiens (clone hEHK1-L) EHK1
- 612_s_at M19650 /FEATURE= /DEFINITION=HUMCNPDEA Human 2 ,3 -cyclic nucleotide 3
- 463_g_at U70862 /FEATURE= /DEFINITION=HSU70862 Human nuclear factor I B3
- 20 mRNA, c
- 421_at X66397 /FEATURE=cds /DEFINITION=HSTPRM H.sapiens tpr mRNA

METAGENE 351 :

- 25 ans =
- 32001_s_at Cluster Incl. M80482:Human subtilisin-like protein (PACE4) mRNA, comp
- 35055_at Cluster Incl. X53281:H.sapiens BTF3b mRNA /cds=(239,727) /gb=X53281 /gi
- 34042_at Cluster Incl. U96769:Homo sapiens chondroadherin gene, 5flanking region
- 35437_at Cluster Incl. M88461:Human neuropeptide Y peptide YY receptor mRNA, com
- 30 37486_f_at Cluster Incl. U68385:Human Meis1-related protein 2 (MRG2), mRNA, part
- 37811_at Cluster Incl. AF042792:Homo sapiens alpha 2 delta calcium channel subun
- 38167_at Cluster Incl. AB020704:Homo sapiens mRNA for KIAA0897 protein, partial
- 38954_at Cluster Incl. Y18423:Homo sapiens VIP2R gene, exons 1-2 (and joined CDS
- 39583_at Cluster Incl. AF030435:Homo sapiens glioma amplified on chromosome 1 pr
- 35 39992_at Cluster Incl. AF030302:Homo sapiens p45-BWR1A (BWR1-A) mRNA, complete c
- 40016_g_at Cluster Incl. AB002301:Human mRNA for KIAA0303 gene, partial cds /cds
- 41655_at Cluster Incl. AL034399:dA191P20.2 (novel Fibronectin type III domain co
- 35175_f_at Cluster Incl. X70940:H.sapiens mRNA for elongation factor 1 alpha-2 /

- 35216_at Cluster Incl. X79440:H.sapiens mRNA for NADP+-dependent malic enzyme /c
 36499_at Cluster Incl. D87469:Human mRNA for KIAA0279 gene, partial cds /c=(0,
 36859_at Cluster Incl. AF067724:Homo sapiens nm23-H5 mRNA, complete cds /c=(48
 38688_at Cluster Incl. AB007930:Homo sapiens mRNA for KIAA0461 peroteine, partial
 5 39014_at Cluster Incl. D84239:Homo sapiens mRNA for IgG Fc binding protein, comp
 39378_at Cluster Incl. U17999:HSU17999 Homo sapiens cDNA /clone=B49B32B27 /gb=U1
 39421_at Cluster Incl. D43969:Human AML1 mRNA for AML1c protein (alternatively s
 39781_at Cluster Incl. U20982:Human insulin-like growth factor binding protein-4
 33452_at Cluster Incl. M15518:Human tissue-type plasminogen activator (t-PA) mRN
 10 33825_at Cluster Incl. X68733:H.sapiens gene for alpha1-antichymotrypsin, exon 1
 34408_at Cluster Incl. AF004222:Homo sapiens RTN2-A (RTN2) mRNA, complete cds /c
 35778_at Cluster Incl. AB011103:Homo sapiens mRNA for KIAA0531 protein, complete
 36179_at Cluster Incl. U12779:Human MAP kinase activated protein kinase 2 mRNA,
 40986_s_at Cluster Incl. AA058852:zf65a11.s1 Homo sapiens cDNA, 3 end /clone=IM
 15 41328_s_at Cluster Incl. AL096717:Homo sapiens mRNA; cDNA DKFZp564P0662 (from cl
 1737_s_at M62403 /FEATURE= /DEFINITION=HUMIGFBP5 Human insulin-like growth
 facto
 1241_at U14603 /FEATURE= /DEFINITION=HSU14603 Human protein-tyrosine phosphatase
 943_at D43968 /FEATURE= /DEFINITION=HUMAML1BA Human AML1 mRNA for AML1b
 20 protein
 573_at M86826 /FEATURE= /DEFINITION=HUMIGFACID Human IGF binding protein
 complex
 METAGENE 365 :
 25 ans =
 31593_at Cluster Incl. Z70200:H.sapiens gene for U5 snRNP-specific 200kD protein
 31597_r_at Cluster Incl. L36055:Human 4E-binding protein 1 mRNA, complete cds /c
 33642_s_at Cluster Incl. U17986:Human GABA/noradrenaline transporter mRNA, compl
 30 34016_s_at Cluster Incl. X78338:Synthetic adenovirus transformed human retina ce
 35438_at Cluster Incl. X87852:H.sapiens mRNA for SEX gene /c=(184,5799) /gb=X8
 38200_at Cluster Incl. U11690:Human faciogenital dysplasia (FGD1) mRNA, complete
 39235_at Cluster Incl. AC003038:Human DNA from chromosome 19-specific cosmid R30
 35243_at Cluster Incl. AA535884:nf90d04.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 35 37965_at Cluster Incl. AA181053:zp66g11.s1 Homo sapiens cDNA, 3 end /clone=IMAG
 40465_at Cluster Incl. AF026402:Homo sapiens U5 snRNP 100 kD protein mRNA, compl
 36987_at Cluster Incl. M94362:Human lamin B2 (LAMB2) mRNA, partial cds /c=(0,1
 37719_at Cluster Incl. AF070539:Homo sapiens clone 24433 myelodysplasia/myeloid
 32543_at Cluster Incl. M84739:Human autoantigen calreticulin mRNA, complete cds

- 32559_s_at Cluster Incl. AJ238096:Homo sapiens mRNA for Lsm4 protein /cds=(23,44
1979_s_at X55504 /FEATURE=cds /DEFINITION=HSP120A H.sapiens mRNA for P120
antige
1775_at L24559 /FEATURE= /DEFINITION=HUMDNSPOLA Homo sapiens DNA polymerase
5 alph
1781_at M25269 /FEATURE= /DEFINITION=HUMELK1A Homo sapiens tyrosine kinase (ELK1
1752_at AD000092 /FEATURE=cds#6 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro
1462_s_at M80397 /FEATURE= /DEFINITION=HUMDNAPOLC Human DNA polymerase
delta cat
10 1224_at X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA PCTAIRE-1 for se
1225_g_at X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA
PCTAIRE-1 for
1100_at L76191 /FEATURE=mRNA /DEFINITION=HUMI1R Homo sapiens interleukin-1 recep
410_s_at X57152 /FEATURE=mRNA#1 /DEFINITION=HSCKIIBE Human gene for casein
15 kinas

METAGENE 369 :

ans =

- 20 31364_i_at Cluster Incl. W27762:37c6 Homo sapiens cDNA /gb=W27762 /gi=1307710 /u
33943_at Cluster Incl. L20941:Human ferritin heavy chain mRNA, complete cds /cds
33237_at Cluster Incl. AB018344:Homo sapiens mRNA for KIAA0801 protein, complete
36507_at Cluster Incl. D30612:Homo sapiens mRNA for repressor protein, partial c
37961_at Cluster Incl. U90907:Human clone 23907 mRNA sequence /cds=UNKNOWN
25 /gb=U
38712_at Cluster Incl. AL035291:H.sapiens gene from PACs 125H23 and 105D12 /cds=
38969_at Cluster Incl. AI828168:wk32h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
35833_at Cluster Incl. AL080184:Homo sapiens mRNA; cDNA DKFZp434O071 (from
clone
30 38381_at Cluster Incl. U32315:Human syntaxin 3 mRNA, complete cds /cds=(38,907)
41296_s_at Cluster Incl. W27761:37c5 Homo sapiens cDNA /gb=W27761 /gi=1307709 /u
1904_at D50692 /FEATURE= /DEFINITION=HUMAMY1 Homo sapiens mRNA for c-myc
binding
160033_s_at NM_006297 /FEATURE=mRNA /DEFINITION=Homo sapiens X-ray repair
35 comple

METAGENE 389 :

ans =

	32430_at	Cluster Incl. M73481:Human gastrin releasing peptide receptor (GRPR) mR
	37142_at	Cluster Incl. AF038421:Homo sapiens GPI-linked anchor protein (GFRA1) m
	38875_r_at	Cluster Incl. AB011147:Homo sapiens mRNA for KIAA0575 protein, comple
	39616_at	Cluster Incl. AL050227:Homo sapiens mRNA; cDNA DKFZp586M0723 (from
5	clon	
	39642_at	Cluster Incl. AL080199:Homo sapiens mRNA; cDNA DKFZp434E082 (from
	clone	
	41048_at	Cluster Incl. D90070:Human ATL-derived PMA-responsive (APR) peptide mRN
	32027_at	Cluster Incl. AF012281:Homo sapiens PDZ domain containing-protein (PDZK
10	32043_at	Cluster Incl. AF098462:Homo sapiens stanniocalcin-related protein mRNA,
	32686_at	Cluster Incl. D86096:Human DNA for prostaglandin E receptor EP3 subtype
	33799_at	Cluster Incl. U76248:Human hSIAH2 mRNA, complete cds /cds=(526,1500) /g
	33800_at	Cluster Incl. AF036927:Homo sapiens adenylyl cyclase type IX mRNA, comp
	34678_at	Cluster Incl. AL096713:Homo sapiens mRNA; cDNA DKFZp564E1616 (from
15	clon	
	37273_at	Cluster Incl. AF007153:Homo sapiens clone 23736 mRNA sequence /cds=UNKN
	37638_at	Cluster Incl. D50857:Human DOCK180 protein mRNA, complete cds /cds=(23,
	37902_at	Cluster Incl. L13278:Homo sapiens zeta-crystallin/quinone reductase mRN
	38254_at	Cluster Incl. AB020689:Homo sapiens mRNA for KIAA0882 protein, partial
20	39055_at	Cluster Incl. M32886:Human sorcin CP-22 mRNA, complete cds /cds=(12,608
	39714_at	Cluster Incl. AF042081:Homo sapiens SH3 domain binding glutamic acid-ri
	40088_at	Cluster Incl. X84373:H.sapiens mRNA for nuclear factor RIP140 /cds=(287
	40790_at	Cluster Incl. AB004066:Homo sapiens mRNA for DEC1, complete cds /cds=(1
	33405_at	Cluster Incl. N90755:zb22c08.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
25	33821_at	Cluster Incl. AL034374:Human DNA sequence from clone 483K16 on chromoso
	34785_at	Cluster Incl. AB028948:Homo sapiens mRNA for KIAA1025 protein, partial
	35356_at	Cluster Incl. W21884:58c2 Homo sapiens cDNA /clone=(not-directional) /g
	35371_at	Cluster Incl. M83822:Human beige-like protein (BGL) mRNA, partial cds /
	35842_at	Cluster Incl. AL049265:Homo sapiens mRNA; cDNA DKFZp564F053 (from
30	clone	
	36634_at	Cluster Incl. U72649:Human BTG2 (BTG2) mRNA, complete cds /cds=(71,547)
	37027_at	Cluster Incl. M80899:Human novel protein AHNAK mRNA, partial sequence /
	37038_at	Cluster Incl. X83467:H.sapiens PXMP1 gene, exon 1 (and joined CDS) /cds
	38078_at	Cluster Incl. AF042166:Homo sapiens beta-filamin mRNA, complete cds /cd
35	38415_at	Cluster Incl. U14603:Human protein-tyrosine phosphatase (HU-PP-1) mRNA,
	40220_at	Cluster Incl. AB021179:Homo sapiens mRNA for HEXIM1 protein, complete c
	32510_at	Cluster Incl. AF026947:Homo sapiens aflatoxin aldehyde reductase AFAR m
	2042_s_at	M15024 /FEATURE= /DEFINITION=HUMCMYBLA Human c-myb mRNA,
	complete cds	

1909_at M14745 /FEATURE= /DEFINITION=HUMBCL2C Human bcl-2 mRNA

1798_at U41060 /FEATURE= /DEFINITION=HSU41060 Human breast cancer, estrogen regu

376_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for semaphorin

377_g_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for
5 semaphori

310_s_at J03778 /FEATURE= /DEFINITION=HUMTAUA Human microtubule-associated
prote

METAGENE 393 :

10

ans =

35061_at Cluster Incl. AF030514:Homo sapiens interferon stimulated T-cell alpha

37126_at Cluster Incl. M62800:Human 52-kD SS-A/Ro autoantigen mRNA, complete cds

37168_at Cluster Incl. AB013924:Homo sapiens mRNA for TSC403 protein, complete c

15 37420_i_at Cluster Incl. AL022723:dJ377H14.9 (major histocompatibility complex,

39988_at Cluster Incl. M74447:Human PSF-2 mRNA, complete cds /cds=(96,2207) /gb=

33304_at Cluster Incl. U88964:Human HEM45 mRNA, complete cds /cds=(37,582) /gb=U

36472_at Cluster Incl. U32849:Homo sapiens Nmi mRNA, complete cds /cds=(280,1203

36825_at Cluster Incl. X82200:H.sapiens Staf50 mRNA /cds=(122,1450) /gb=X82200 /

20 37219_at Cluster Incl. X72755:H.sapiens Humig mRNA /cds=(39,416) /gb=X72755 /gi=

37944_at Cluster Incl. U19523:Human GTP cyclohydrolase I mRNA, complete cds /cds

38287_at Cluster Incl. AA808961:nw16h03.s1 Homo sapiens cDNA /clone=IMAGE-124066

40153_at Cluster Incl. X57522:H.sapiens RING4 cDNA /cds=(30,2456) /gb=X57522 /gi

41171_at Cluster Incl. D45248:Human mRNA for proteasome activator hPA28 subunit

25 41237_at Cluster Incl. D32129:Human mRNA for HLA class-I (HLA-A26) heavy chain,

32859_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, com

32860_g_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, c

33338_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence /c

33339_g_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence

30 35735_at Cluster Incl. M55542:Human guanylate binding protein isoform I (GBP-2)

37352_at Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complete

38759_at Cluster Incl. U97502:Homo sapiens butyrophilin (BT3.3) gene /cds=(73,22

38760_f_at Cluster Incl. U90546:Human butyrophilin (BTF4) mRNA, complete cds /cd

1184_at D45248 /FEATURE= /DEFINITION=HUMHPA28A Human mRNA for proteasome

35 activa

1021_at J00219 /FEATURE=mRNA /DEFINITION=HUMIFNG Human immune interferon (IFN-ga

669_s_at L05072 /FEATURE=expanded_cds /DEFINITION=HUMIFNRF1A Homo sapiens
interfe

495_at U31628 /FEATURE= /DEFINITION=HSU31628 Human interleukin-15 receptor alpha

431_at X02530 /FEATURE=cds /DEFINITION=HSINFGER Human mRNA for gamma-interferon

METAGENE 399 :

- 5 ans =
- 35484_at Cluster Incl. U95737:Human Chromosome 16 BAC clone CIT987SK-A-388D4 /cd
- 36173_r_at Cluster Incl. AF002163:Homo sapiens delta-adaptin mRNA, complete cds
- 2023_g_at M77198 /FEATURE= /DEFINITION=HUMRPKB Human rac protein kinase beta mRNA

10

METAGENE 408 :

- ans =
- 36412_s_at Cluster Incl. U53831:Homo sapiens interferon regulatory factor 7B mRNA
- 15 34491_at Cluster Incl. AJ225089:Homo sapiens mRNA for 2-5 oligoadenylate synthetase
- 38517_at Cluster Incl. M87503:Human IFN-responsive transcription factor subunit
- 38549_at Cluster Incl. AF026941:Homo sapiens cig5 mRNA, partial sequence /cds=UN
- 38584_at Cluster Incl. AF026939:Homo sapiens CIG49 (cig49) mRNA, complete cds /c
- 39263_at Cluster Incl. M87434:Human 71 kDa 25 oligoadenylate synthetase (p69 2-
- 20 41045_at Cluster Incl. U77643:Homo sapiens K12 protein precursor mRNA, complete
- 31812_at Cluster Incl. M24470:Human glucose-6-phosphate dehydrogenase, complete
- 32114_s_at Cluster Incl. S46950:adenosine A2 receptor [human, hippocampal, mRNA,
- 33236_at Cluster Incl. AF060228:Homo sapiens retinoic acid receptor responder 3
- 35718_at Cluster Incl. L22342:Human nuclear phosphoprotein mRNA, complete cds /c
- 25 36927_at Cluster Incl. AB000115:Homo sapiens mRNA expressed in osteoblast, compl
- 37641_at Cluster Incl. D28915:Human gene for hepatitis C-associated microtubular
- 38662_at Cluster Incl. AL047596:DKFZp586G0421_s1 Homo sapiens cDNA
- /clone=DKFZp5
- 39061_at Cluster Incl. D28137:Human mRNA for BST-2, complete cds /cds=(9,551) /g
- 30 40505_at Cluster Incl. AA883502:am25h07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41745_at Cluster Incl. X57352:Human 1-8U gene from interferon-inducible gene fam
- 32775_r_at Cluster Incl. AB006746:Homo sapiens hMmTRA1b mRNA, complete cds /cds=
- 32814_at Cluster Incl. M24594:Human interferon-inducible 56 Kd protein mRNA, com
- 37014_at Cluster Incl. M33882:Human p78 protein mRNA, complete cds /cds=(345,233
- 35 37353_g_at Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complet
- 37360_at Cluster Incl. U66711:Human Ly-6-related protein (9804) gene, complete c
- 38388_at Cluster Incl. M11810:Human (2-5) oligo A synthetase E gene /cds=(0,120
- 38389_at Cluster Incl. X04371:Human 1.6Kb mRNA for 2-5A synthetase induced by in
- 38432_at Cluster Incl. AA203213:zx57e04.r1 Homo sapiens cDNA, 5 end /clone=IMAG

- 1358_s_at U22970 /FEATURE=mRNA#1 /DEFINITION=HSU22970 Human interferon-inducible
- 1107_s_at M13755 /FEATURE=mRNA /DEFINITION=HUMIFN15K Human interferon-induced 17
- 5 915_at M24594 /FEATURE=mRNA /DEFINITION=HUMI56KD Human interferon-inducible 56
- 879_at M30818 /FEATURE=mRNA /DEFINITION=HUMMXB Human interferon-induced cellular
- 675_at J04164 /FEATURE= /DEFINITION=HUM927A Human interferon-inducible protein 9
- 626_s_at L78833 /FEATURE=cds#5 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7
- 10 and vatI g
- 464_s_at U72882 /FEATURE= /DEFINITION=HSU72882 Human interferon-induced leucine
- 425_at X67325 /FEATURE=cds /DEFINITION=HSP27 H.sapiens p27 mRNA
- 269_at L40387 /FEATURE=cds /DEFINITION=HUMTRIP14G Homo sapiens thyroid receptor
- 15 METAGENE 440 :
- ans =
- 31350_at Cluster Incl. AC004597:Homo sapiens chromosome 19, cosmid F20722 /cds=(
- 20 31439_f_at Cluster Incl. X63095:H.sapiens mRNA for rhesus polypeptide (RhVI) /cd
- 31478_at Cluster Incl. M16653:Human pancreatic elastase IIB mRNA, complete cds /
- 31590_g_at Cluster Incl. AL031983:dJ271M21.2 (hs6M1-12 (7 transmembrane receptor
- 31775_at Cluster Incl. X65018:H.sapiens mRNA for lung surfactant protein D /cds=
- 31785_f_at Cluster Incl. U92817:Homo sapiens unnamed HERV-H protein mRNA, comple
- 25 31930_f_at Cluster Incl. X63096:H.sapiens mRNA for rhesus polypeptide (RhVIII) /
- 31991_at Cluster Incl. AL049430:Homo sapiens mRNA; cDNA DKFZp586H201 (from clone
- 32007_at Cluster Incl. W29045:55e12 Homo sapiens cDNA /gb=W29045 /gi=1309002 /ug
- 32010_at Cluster Incl. Z82180:Human DNA sequence from clone E81G9 on chromosome
- 30 32407_f_at Cluster Incl. U92818:Homo sapiens c33.28 unnamed HERV-H protein mRNA,
- 33651_at Cluster Incl. AB013456:Homo sapiens haQP8 mRNA for aquaporin 8, complet
- 33670_at Cluster Incl. X74439:H.sapiens mRNA for estrogen receptor gene 5flankin
- 34060_g_at Cluster Incl. AA586695:nn42h06.s1 Homo sapiens cDNA, 3 end /clone=IM
- 34067_at Cluster Incl. AL022314:dJ1170K4.2 (novel Trypsin family protein with cl
- 35 34139_at Cluster Incl. AL049651:Human DNA sequence from clone 753D10 on chromoso
- 34634_s_at Cluster Incl. U68487:Human 5-hydroxytryptamine7 receptor isoform b mR
- 34636_at Cluster Incl. M23892:Human 15-lipoxygenase mRNA, complete cds /cds=(3,1
- 35091_at Cluster Incl. AA706226:ah28a07.s1 Homo sapiens cDNA, 3 end /clone=1240
- 35536_at Cluster Incl. AB011176:Homo sapiens mRNA for KIAA0604 protein, complete

	36332_at	Cluster Incl. U40391:Human serotonin N-acetyltransferase gene, complete
	36375_at	Cluster Incl. X74614:H.sapiens ODF2 (allele 2) gene for outer dense fib
	36407_at	Cluster Incl. AL050220:Homo sapiens mRNA; cDNA DKFZp586J1923 (from clon
	36411_s_at	Cluster Incl. U29943:Human ELAV-like neuronal protein-2 Hel-N2 mRNA,
5	32271_at	Cluster Incl. X16707:Human fra-1 mRNA /cds=(34,849) /gb=X16707 /gi=3146
	32866_at	Cluster Incl. AB011177:Homo sapiens mRNA for KIAA0605 protein, complete
	32898_at	Cluster Incl. U20582:Human actin-like peptide mRNA, partial cds /cds=(2
	32915_at	Cluster Incl. AL109730:Homo sapiens mRNA full length insert cDNA clone
	33470_at	Cluster Incl. AF052177:Homo sapiens clone 24510 mRNA sequence /cds=UNKN
10	33521_at	Cluster Incl. M63962:Human gastric H,K-ATPase catalytic subunit gene, c
	33545_at	Cluster Incl. M81758:Homo sapiens skeletal muscle voltage-dependent sod
	33568_at	Cluster Incl. U48861:Human beta 4 nicotinic acetylcholine receptor subu
	34425_at	Cluster Incl. AF031469:Homo sapiens MHC class I related protein 1 isofo
	34457_at	Cluster Incl. U76010:Human putative zinc transporter ZnT-3 (ZnT-3) mRNA
15	34527_r_at	Cluster Incl. AF052108:Homo sapiens clone 23687 mRNA sequence /cds=UN
	34981_at	Cluster Incl. M55513:Human potassium channel (HPCN1) mRNA, complete cds
	35485_at	Cluster Incl. X80818:H.sapiens mRNA for metabotropic glutamate receptor
	35899_at	Cluster Incl. AF109401:Homo sapiens neurotrophic factor artemin precurs
	35915_at	Cluster Incl. X82540:H.sapiens mRNA for activin beta-C chain /cds=(127,
20	35939_s_at	Cluster Incl. L20433:Human octamer binding transcription factor 1 (OT
	35950_at	Cluster Incl. U90841:Homo sapiens SSX4 (SSX4) mRNA, complete cds /cds=(
	36276_at	Cluster Incl. X67734:H.sapiens mRNA for transient axonal glycoprotein (
	36285_at	Cluster Incl. U07364:Human inwardly rectifying potassium channel mRNA,
	36298_at	Cluster Incl. L14565:Human peripherin (PRPH) gene exons 1-9, complete c
25	36702_at	Cluster Incl. AJ010277:Homo sapiens mRNA for TBX19 protein /cds=(51,139
	36706_at	Cluster Incl. Y15057:Homo sapiens mRNA for STK9 protein /cds=(221,3313)
	36754_at	Cluster Incl. X60435:H.sapiens gene PACAP for pituitary adenylate cycla
	37853_at	Cluster Incl. AI857458:w157e02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	38507_at	Cluster Incl. X16867:Human mRNA for cytochrome P-450IID (clone pMP34) /
30	38558_at	Cluster Incl. M29273:Human myelin-associated glycoprotein (MAG) mRNA, c
	38851_at	Cluster Incl. M63394:Human 3 nucleotide sequence mRNA /cds=UNKNOWN
	/gb=	
	38860_at	Cluster Incl. U66346:Homo sapiens cAMP phosphodiesterase (PDE4C) mRNA,
	38897_at	Cluster Incl. AJ000730:Homo sapiens mRNA for cationic amino acid transp
35	38942_r_at	Cluster Incl. W28610:49b12 Homo sapiens cDNA /gb=W28610 /gi=1308558 /
	39242_at	Cluster Incl. X96783:H.sapiens Syt V gene (genomic and cDNA sequence) /
	39245_at	Cluster Incl. U72507:Human 40871 mRNA partial sequence /cds=UNKNOWN /gb
	39990_at	Cluster Incl. U07559:Human ISL-1 (Islet-1) mRNA, complete cds /cds=(248
	40299_at	Cluster Incl. AF091890:Homo sapiens G-protein coupled receptor RE2 mRNA

	40317_at	Cluster Incl. U57352:Human sodium channel 1 (hBNaC1) mRNA, complete cds
	40643_at	Cluster Incl. M34480:Human platelet glycoprotein IIb (GPIIb) mRNA, comp
	41647_at	Cluster Incl. W28742:51a7 Homo sapiens cDNA /gb=W28742 /gi=1308690 /ug=
	32029_at	Cluster Incl. AF017995:Homo sapiens 3-phosphoinositide dependent protei
5	32710_at	Cluster Incl. X83127:H.sapiens mRNA for voltage gated potassium channel
	33779_at	Cluster Incl. AF060538:Homo sapiens vesicle associated membrane protein
	34655_at	Cluster Incl. AI951832:wx38b09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35685_at	Cluster Incl. Z14000:H.sapiens RING1 gene /cds=(75,1208) /gb=Z14000 /gi
	36011_at	Cluster Incl. AF035531:Homo sapiens syntaxin 10 mRNA, complete cds /cds
10	36037_g_at	Cluster Incl. J05500:Human beta-spectrin (SPTB) mRNA, complete cds /c
	36546_r_at	Cluster Incl. AB011114:Homo sapiens mRNA for KIAA0542 protein, comple
	36815_at	Cluster Incl. AF038185:Homo sapiens clone 23700 mRNA sequence /cds=UNKN
	36883_at	Cluster Incl. X14640:Human mRNA for keratin 13 /cds=(42,1418) /gb=X1464
	36907_at	Cluster Incl. M88468:Homo sapiens mevalonate kinase mRNA, complete cds
15	37191_at	Cluster Incl. D87463:Human mRNA for KIAA0273 gene, complete cds /cds=(4
	37270_at	Cluster Incl. AF007876:Homo sapiens Na,K-ATPase beta 2 subunit gene, co
	38624_at	Cluster Incl. AF054506:Homo sapiens erythroid K-Cl cotransporter splici
	38646_s_at	Cluster Incl. AI763065:wi64h03.x1 Homo sapiens cDNA, 3 end /clone=IM
	38660_at	Cluster Incl. F27891:HSPD16170 Homo sapiens cDNA /clone=s4000025D03 /gb
20	40094_r_at	Cluster Incl. X80026:H.sapiens B-cam mRNA /cds=(6,1772) /gb=X80026 /g
	40442_f_at	Cluster Incl. W26019:18b9 Homo sapiens cDNA /gb=W26019 /gi=1306304 /u
	40507_at	Cluster Incl. K03195:Human (HepG2) glucose transporter gene mRNA, compl
	32810_at	Cluster Incl. AF019369:untitled /cds=(89,826) /gb=AF019369 /gi=2623563
	34832_s_at	Cluster Incl. AB018306:Homo sapiens mRNA for KIAA0763 protein, comple
25	35756_at	Cluster Incl. AF089816:Homo sapiens RGS-GAIP interacting protein GIPC m
	36615_at	Cluster Incl. M83751:Human arginine-rich protein (ARP) gene, complete c
	38027_at	Cluster Incl. X53742:H.sapiens mRNA for fibulin-1 B /cds=(10,1815) /gb=
	38048_at	Cluster Incl. D84110:Homo sapiens mRNA for RBP-MS/type 4, complete cds
	38058_at	Cluster Incl. Z22865:H.sapiens dermatopontin mRNA, complete CDS /cds=(1
30	38752_r_at	Cluster Incl. AA426364:zv61b06.s1 Homo sapiens cDNA, 3 end /clone=IM
	39468_r_at	Cluster Incl. W27081:22g5 Homo sapiens cDNA /gb=W27081 /gi=1306660 /u
	39472_s_at	Cluster Incl. W25985:17e6 Homo sapiens cDNA /gb=W25985 /gi=1306252 /u
	39870_at	Cluster Incl. AI377866:te63h04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40595_at	Cluster Incl. AI345337:tb81g11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
35	40919_at	Cluster Incl. M81830:Human somatostatin receptor isoform 2 (SSTR2) gene
	40938_at	Cluster Incl. Y13835:Homo sapiens mRNA for farnesylated-proteins conver
	40954_at	Cluster Incl. H94881:yu57f07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	40959_at	Cluster Incl. AB011171:Homo sapiens mRNA for KIAA0599 protein, partial
	41351_at	Cluster Incl. AA885106:am31h01.s1 Homo sapiens cDNA, 3 end /clone=IMAG

- 41361_at Cluster Incl. W28148:43f2 Homo sapiens cDNA /gb=W28148 /gi=1308159 /ug=
 41793_at Cluster Incl. AI288757:qm11h01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
 41825_at Cluster Incl. W26652:34c6 Homo sapiens cDNA /gb=W26652 /gi=1307495 /ug=
 32560_s_at Cluster Incl. W30959:zc65h10.r1 Homo sapiens cDNA, 5 end /clone=IMAG
 5 1552_i_at U22028 /FEATURE=expanded_cds /DEFINITION=HSU22028 Human
 cytochrome P45
 1517_at J02906 /FEATURE=mRNA /DEFINITION=HUMCYPIIF Human cytochrome P450IIF1
 pro
 1419_g_at D29675 /FEATURE=exon /DEFINITION=HUMNOSB Human inducible nitric
 10 oxide
 1339_s_at X14675 /FEATURE=cds /DEFINITION=HSBCR3C Human bcr-abl mRNA 5
 fragment
 1289_at L02321 /FEATURE= /DEFINITION=HUMGSTM5 Human glutathione S-transferase (G
 1259_at L76568 /FEATURE=exons#13-14 /DEFINITION=HUMERCC4G Homo sapiens excision
 15 1177_at Dna-Binding Protein Ap-2, Alt. Splice 3
 1155_at J03069 /FEATURE=mRNA /DEFINITION=HUMMYCL2A Human MYCL2 gene,
 complete cd
 1122_f_at K03183 /FEATURE=cds /DEFINITION=HUMCGBBA3 Human chorionic
 gonadotropin
 20 1032_at U11872 /FEATURE= /DEFINITION=HSU11872 Human interleukin-8 receptor type
 730_r_atMucin 3, Intestinal
 731_f_atMucin 3, Intestinal
 732_f_atMucin 3, Intestinal
 420_at X65633 /FEATURE=cds /DEFINITION=HSACTHR H.sapiens ACTH-R gene for adrenoc
 25 240_at M64231 /FEATURE=mRNA /DEFINITION=HUMSPERSYN Human spermidine synthase
 gen
 121_at X69699 /FEATURE= /DEFINITION=HSPAX8A H.sapiens Pax8 mRNA
 METAGENE 495 :
 30 ans =
 31514_at Cluster Incl. AF034970:Homo sapiens docking protein (DOK-2) mRNA, compl
 33085_at Cluster Incl. U64863:Human hPD-1 (hPD-1) mRNA, complete cds /cds=(68,93
 36372_at Cluster Incl. U51333:Human hexokinase III (HK3) mRNA, complete cds /cds
 35 36798_g_at Cluster Incl. J04168:Human leukosialin mRNA, complete cds /cds=(95,12
 37148_at Cluster Incl. AF025533:Homo sapiens leucocyte immunoglobulin-like recep
 40327_at Cluster Incl. U57052:Human Hoxb-13 mRNA, complete cds /cds=(54,908) /gb
 40668_s_at Cluster Incl. U34624:Human T cell surface glycoprotein CD-6 mRNA, com
 40712_at Cluster Incl. D26579:Homo sapiens mRNA for transmembrane protein, compl

- 41718_g_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8
 34293_at Cluster Incl. AF004426:Homo sapiens microtubule-based motor (HsKIFC3) m
 36008_at Cluster Incl. AF041434:Homo sapiens potentially prenylated protein tyro
 36052_at Cluster Incl. U43959:Human beta 4 adducin mRNA, alternatively spliced p
5 37238_s_at Cluster Incl. AF014118:Homo sapiens membrane-associated kinase (Myt1)
 39778_at Cluster Incl. M55621:Human N-acetylglucosaminyltransferase I (GlcNAc-TI
 41764_at Cluster Incl. AA976838:oq35c12.s1 Homo sapiens cDNA, 3' end /clone=IMAG
 33374_at Cluster Incl. L09708:Human complement component 2 (C2) gene allele b /c
 33393_at Cluster Incl. AJ237946:Homo sapiens mRNA for DEAD Box Protein 5 /cds=(0
10 36195_at Cluster Incl. U07681:Human NAD(H)-specific isocitrate dehydrogenase alp
 39845_at Cluster Incl. AF020760:Homo sapiens serine protease (Omi) mRNA, complet
 1983_at X68452 /FEATURE=cds /DEFINITION=HSCYCD2 H.sapiens mRNA for cyclin D2
 1445_at AF014958 /FEATURE= /DEFINITION=AF014958 Homo sapiens chemokine receptor
 703_at Immunoglobulin Heavy Chain, Vdjr Regions
15 608_at M12529 /FEATURE=mRNA /DEFINITION=HUMAPOE Human apolipoprotein E mRNA,
 com

Table 10: 491 metagenes constructed (as described) in analysis of Duke breast cancer data with respect to ER status. This file lists the metagenes in order of nonlinear (tree model) association with ER status (top down).

- 5** Metagene 347
- d50840_1048-1474,mrna_for_ceramide_glucosyltransferase,_complete_cds_
hg3125-ht3301_s_at_hg3125-ht3301_estrogen_receptor_
l40401mrna_572-992,(clone_zap128)_mrna,_3'_end_of_cds_
10 m14745_5435-5981,bcl-2_mrna
s68805_1972-2305,_l-
arginine:glycine_amidinotransferase [human,_kidney_carcinoma_cells,_mrna,_2330_n
u21931mrna_965-1373,fructose-1,6-biphosphatase_(fbp1)_gene_
u22376exon#20_757-1256,_c-myb_gene_extracted_from(c-
15 myb)_gene,_complete_primary_cds,_and_five_comple
u41060_2936-3416,breast_cancer,_estrogen_regulated_liv-1_protein_(liv-1)_mrna,_partial_cds_
u67963_590-1148,lysophospholipase_homolog_(hu-k5)_mrna,_complete_cds_
u72661_650-1196,ninjurin1_mrna,_complete_cds.
u79293_1221-1749,clone_23948_mrna_sequence_
20 u82987_1140-1614,bcl-2_binding_component(bbc3)_mrna,_partial_cds
u96113_1463-2003,nedd-4-like_ubiquitin-
protein_ligase_wwp1_mrna,_partial_cds/gb=u96113_/ntype=mrna_
all_x03635_5885-6402,mrna_for_oestrogen_receptor_
x55037mrna_863-1448,gata-3_mrna
25 x58072mrna_1793-2309,hgata3_mrna_for_trans-acting_t-cell_specific_transcription_factor_
all_x83425_1831-2390,lu_gene_for_lutheran_blood_group_glycoprotein_

Metagene 283
- 30** d26070mrna_8922-9492,mrna_for_typeinositol_1,4,5-trisphosphate_receptor,_complete_cds_
l08044_8-358,intestinal_trefoil_factor_mrna,_complete_cds
l38608_1950-2478,cd6_ligand_(alcam)_mrna,_complete_cds
m12174_28-493,ras-related_rho_mrna_(clone_6),_partial_cds
m23263_3498-3648,androgen_receptor_mrna,_complete_cds
35 m31627_1191-1725,x_box_binding_protein-1_(xbp-1)_mrna,_complete_cds
s37730cds_625-916:in_reversesequence,_496-635,_insulin-like_growth_factor_binding_protein-
2_[human,_
u09770_61-391,cysteine-rich_heart_protein_(hcrhp)_mrna,_complete_cds_
u39840_2313-2823,hepatocyte_nuclear_factor-3_alpha_(hnf-3_alpha)_mrna,_complete_cds

- u52522_1047-1581,arfaptin_2_putative_target_protein_of_adp-
ribosylation_factor_mrna_complete_cds
- u94831_1555-1933,multispanning_membrane_protein_mrna_complete_cds/gb=u94831_/ntype=rna
- all_x06614_2300-2889,mrna_for_receptor_of_retinoic_acid
- 5 x12876mrna_144-670,mrna_fragment_for_cytokeratin_18
- x52003cds_63-213:in_reversesequence,_289-445,ps2_protein_gene
- x53002cds_2049-2356:in_reversesequence,_2724-2849,mrna_for_integrin_beta-5_subunit
- all_x76180_2760-3115,mrna_for_lung_amiloride_sensitive_na+_channel_protein_
- all_z11793_1553-2001,mrna_for_selenoprotein_p
- 10 Metagene 402
- d12686_4468-4909,mrna_for_eukaryotic_initiation_factorgamma(eif-4_gamma)_
- d13636_3011-3539,mrna_for_kiaa0011_gene_complete_cds
- 15 d29958_446-962,mrna_for_kiaa0116_gene_partial_cds_
- d42054_2354-2828,mrna_for_kiaa0092_gene_complete_cds
- d82345_86-578,mrna_for_nb_thymosin_beta_complete_cds
- d83783_6249-6579,mrna_for_kiaa0192_gene_partial_cds_
- hg1078-ht1078_at_hg1078-ht1078_lamin-like_protein
- 20 hg1614-ht1614_at_hg1614-ht1614_protein_phosphatase_1_alpha_catalytic_subunit
- hg1733-ht1748_at_hg1733-ht1748_moloney_murine_sarcoma_viral_oncogene_homolog_
- hg3432-ht3621_at_hg3432-ht3621_fibroblast_growth_factor_receptor_k-sam_altsplice_4_k-sam_iv
- hg4073-ht4343_at_hg4073-ht4343_cytosolic_acetoacetyl-coenzyme_a_thiolase_
- hg4155-ht4425_s_at_hg4155-ht4425_zinc_finger_protein_hzf8
- 25 hg4542-ht4947_at_hg4542-ht4947_ribosomal_protein_l10_
- j05272_2311-2809,imp_dehydrogenase_typemrna_complete_cds
- k02574mrna_817-1363,purine_nucleoside_phosphorylase(pnp)_mrna_complete_cds_
- l07592_2760-3228,peroxisome_proliferator_activated_receptor_mrna_complete_cds_
- l11285_957-1509_homosapiens_erk_activator_kinase(mek2)_mrna_
- 30 l26339_4094-4580,autoantigen_mrna_complete_cds
- l35854mrna_3-75,dystrophin(dp140)_mrna_5'_end/gb=l35854_/ntype=rna_
- l38487mrna_1623-2115,estrogen_receptor-related_protein(herral)_mrna_3'_end_partial_cds
- m13955mrna_904-1450,mesothelial_keratin_k7(type_ii)_mrna_3'_end
- m30938mrna#2_2781-3261,ku(p70/p80)_subunit_mrna_complete_cds_
- 35 m33518exon_5570-5900:in_reversesequence,_6168-6198,hla-b-
- associated_transcript(bat2)_gene_5'_flank
- m33764cds_1158-1350:in_reversesequence,_7989-
- 8235,ornithine_decarboxylase_gene_complete_cds
- m35198_2073-2589,integrin_b-6_mrna_complete_cds_

- m80244_3401-3869,e16_mrna,_complete_cds
 m83651_1947-2451,beta-1,4_n-acetylgalactosaminyltransferase_mrna,_complete_cds_
 u09578_2012-2456,mapkap_kinase_(3pk)_mrna,_complete_cds
 u23143cds_1258-1426:in_reversesequence,_3604-
- 5** 3844,mitochondrial_serine_hydroxymethyltransferase_gene
 u33818_1889-2351,inducible_poly(a)-binding_protein_mrna,_complete_cds
 u50939_1224-1662,amyloid_precursor_protein-binding_proteinmrna,_complete_cds
 u68105mrna_2540-2765,poly(a)-binding_protein_(pabp)_gene,_promoter_region_and
 u78525_2480-2942,eukaryotic_translation_initiation_factor_(eif3)_mrna,_complete_cds
- 10** u79254_693-1113,clone_23693_mrna_sequence
 u82613_163-685,dna-binding_protein_abp/zf_mrna,_complete_cds_
 all_x15414_844-1349,mrna_for_aldose_reductase_(ec_1.1.1.2)_
 x52882cds_1171-1639:in_reversesequence,_1672-1732,t-complex_polypeptidegene
 x60489mrna_381-915,mrna_for_elongation_factor-1-beta_
- 15** all_x67698_228-709,tissue_specific_mrna
 all_x74570_1140-1711,mrna_for_gal-beta(1-3/1-4)glcnac_alpha-2.3-sialyltransferase
 z25749mrna_98-608,gene_for_ribosomal_protein_s7_
 z34918cds_1559-2051,mrna_for_translation_initiation_factor_eif-4gamma_(partial)
- 20** Metagene 301
- l13698_2227-2791,gas1_gene,_complete_cds_
 l24203_2423-2891,ataxia-telangiectasia_group_d-associated_protein_mrna,_complete_cds
 m18533mrna_13566-13926,dystrophin_(dmd)_mrna,_complete_cds
- 25** m24485cds_109-604:in_reversesequence,_3966,(clone_phgst-pi)_glutathione_s-
 transferase_pi_(gstp1)_gen
 all_m98539_46-209:not_in_gb_record,prostaglandin_d2_synthase_gene_
 u03057_2172-2724,actin_bundling_protein_(hsn)_mrna,_complete_cds_
 u33849_2850-3366,lymphoma_proprotein_convertase_(lpc)_mrna,_complete_cds_
30 u45955_834-1362,neuronal_membrane_glycoprotein_m6b_mrna,_partial_cds_
 all_x66534_2622-2953,soluble_guanylate_cyclase_large_subunit_mrna
 all_x87212_1273-1772,mrna_for_cathepsin_c
 x96381mrna_3518-4028,erm_gene,_exon_2,3,4,5_(and_joined_cds)
- 35** Metagene 54
- l27213cds_2481-2749:in_reversesequence,_2815-
 3030,anion_exchange_protein_mrna,_complete_cds
 m29874_2457-2977,cytochrome_p450-iib_(hiib1)_mrna,_complete_cds

z36714mrna_3697-4135,mrna_for_cyclin_f

Metagene 362

- 5 s74445_152-662,cellular_retinoic_acid-binding_protein_[human,_skin,_mrna,_735_nt]
u84487_2776-3238,cx3c_chemokine_precursor,_mrna,_alternatively_spliced,_complete_cds_
x82554mrna_103-571,sphar_gene_for_cyclin-related_protein

Metagene 111

- 10 d14694_2143-2455,mrna_for_kiaa0024_gene,_complete_cds
d21261_957-1305,mrna_for_kiaa0120_gene,_complete_cds_
d25328_2086-2536,mrna_for_platelet-type_phosphofructokinase,_complete_cds
d26599_167-707,mrna_for_proteasome_subunit_hsc7-i,_complete_cds
- 15 d26600_354-822,mrna_for_proteasome_subunit_hsn3,_complete_cds
d31890_1375-1909,mrna_for_kiaa0070_gene,_partial_cds_
d38521_5541-5997,mrna_for_kiaa0077_gene,_partial_cds_
d38550_3195-3735,mrna_for_kiaa0075_gene,_partial_cds_
d38583_109-475,mrna_for_calgizzarin,_complete_cds
- 20 d43642mrna_759-1215,yl-1_mrna_for_yl-1_protein_(nuclear_protein_with_dna-
binding_ability),_complete_
d49489_1267-1759,mrna_for_protein_disulfide_isomerase-related_protein_p5,_complete_cds_
d50916_5465-5999,mrna_for_kiaa0126_gene,_complete_cds
d80009_3652-4048,mrna_for_kiaa0187_gene,_complete_cds
- 25 d80012_2697-3237,mrna_for_kiaa0190_gene,_partial_cds_
d86978_5648-6086,mrna_for_kiaa0225_gene,_partial_cds_
d87953_2449-2935,mrna_for_rtp,_complete_cds
hg2259-ht2348_s_at_hg2259-ht2348_tubulin,_alpha_1,_isoform_44
hg3494-ht3688_at_hg3494-ht3688_nuclear_factor_nf-il6_
- 30 hg4541-ht4946_s_at_hg4541-ht4946_transformation-related_protein
j03827_970-1438,_y_box_binding_protein-1_(yb-1)_mrna
l08246_3333-3819,myeloid_cell_differentiation_protein_(mcl1)_mrna
l17131mrna#1_1646-2198,high_mobility_group_protein_(hmg-i(y))_gene_exons_1-8,_complete_cds
l19871_1361-1793,activating_transcription_factor(atf3)_mrna,_complete_cds_
- 35 l20298_2250-2790,transcription_factor_(cbfb)_mrna,_3'_end_
l39059mrna_3327-3831,transcription_factor_sl1_mrna,_complete_cds
l77886_5390-5696,protein_tyrosine_phosphatase_mrna,_complete_cds_
m14328mrna_1144-1704,alpha_enolase_mrna,_complete_cds
m23254_2672-3164,ca2-activated_neutral_protease_large_subunit_(canp)_mrna,_complete_cds

- m31303mrna_933-1407, oncoprotein(op18)_gene, complete_cds
 m37721_3297-3705, peptidylglycine_alpha-amidating_monooxygenase_mrna, complete_cds
 m69066_3272-3824, moesin_mrna, complete_cds_
 m83088_1722-2271, phosphoglucomutase(pgm1)_mrna, complete_cds
 5 u24105_4121-4355, coatamer_protein_(hepcop)_mrna, complete_cds
 u26173_1295-1775, bzip_protein_nf-il3a_(il3bp1)_mrna, complete_cds
 u28368_841-1249, id-related_helix-loop-helix_protein_id4_mrna, complete_cds_
 u46692mrna_84-480, cystatin_b_gene, complete_cds_
 u51711_at_u51711_u51711, not_in_gb_record, desmocollin-2_mrna, 3'_utr_
 10 u58334_3933-4485, bcl2_p53_binding_protein_bbp/53bp2_(bbp/53bp2)_mrna, complete_cds
 u90651_1122-1576, embryonic_ectoderm_development_protein_homolog_(eed)_mrna, partial_cds
 all_v00572_1364-1731, mrna_encoding_phosphoglycerate_kinase_
 all_x07834_515-1026, mrna_for_manganese_superoxide_dismutase_(ec_1.15.1.1)
 x53416cds_7595-7889:in_reversesequence, 8097-8319, mrna_for_actin-
 15 binding_protein_(filamin)_(abp-280)
 all_x54941_194-687, ckshs1_mrna_for_cks1_protein_homologue
 all_x54942_31-572, ckshs2_mrna_for_cks1_protein_homologue_
 all_x76534_2145-2614, nmb_mrna
 x86018cds_1630-1822:in_reversesequence, 1834-2062, mrna_for_mufl_protein
 20
 Metagene 431

 y08374mrna#1_1414-1882, gp-
 39_cartilage_protein_gene_extracted_fromgene_encoding_cartilage_gp-39_pro
 25
 Metagene 157

 af008445_895-1387, phospholipid_scamblase_mrna, complete_cds/gb=af008445_/ntype=rna_
 d29640_5767-6325, mrna_for_kiaa0051_gene, complete_cds
 30 j04088_4377-4587, dna_topoisomerase_ii_(top2)_mrna, complete_cds
 l11239exon_358-802, homeobox_protein_(hox)_gene, 3'_end
 l32179mrna_1028-1556, arylacetamide_deacetylase_mrna, complete_cds
 m21551mrna_158-590, neuromedin_b_mrna, complete_cds
 m24069mrna_1401-1543, dna-binding_protein_a_(dbpa)_gene, 3'_end_
 35 m26311_27-504, cystic_fibrosis_antigen_mrna, complete_cds.
 all_m36200_67-428:in_m36200cds_194-339, synaptobrevin(syb1)_gene
 m36634_1340-1450, vasoactive_intestinal_peptide_(vip)_mrna, complete_cds
 all_x04741_413-924, mrna_for_protein_gene_product_(pgp)_9.5_
 y09267_1148-1664, mrna_for_flavin-containing_monooxygenase/gb=y09267_/ntype=rna

Metagene 352

- ac000115cds#1_546-684:in_reversesequence,_35138-
- 5 35366,_wugsc:h_gs188p18.1a_gene_extracted_frombac_cl
d31887_4050-4512,mrna_for_kiaa0062_gene,_partial_cds_
d79992_6597-6897,mrna_for_kiaa0170_gene,_complete_cds
d79994_4227-4749,mrna_for_kiaa0172_gene,_partial_cds_
106419_2544-3066,lysyl_hydroxylase_(plod)_mrna,_complete_cds
- 10 113391exon#5_265-808,helix-loop-helix_basic_phosphoprotein_(g0s8)_gene,_complete_cds_
119493exon_1931-2064,fnr1_gene,_3'_end_
m11313mrna_3966-4522,alpha-2-macroglobulin_mrna,_complete_cds
m86699_3355-3787,kinase_(tkk)_mrna,_complete_cds_
s56151_672-1186,_hmfg=milk_fat_globule_protein_[human,_mrna_partial,_1270_nt]
15 s69231_1444-1981,_tyrp2=tyrosinase-related-protein-2_[human,_melanocytic_cell_line_sk-mel-
19,_mrna,_
u07919_2973-3399,aldehyde_dehydrogenasemrna,_complete_cds_
u20391mrna#1_720-1080,folate_receptor_(folr1)_gene,_complete_cds
u26727_512-938,p16ink4/mts1_mrna,_complete_cds_
20 u38847_4574-5000,tar_rna_loop_binding_protein_(trp-185)_mrna,_complete_cds_
u58516_1860-1893,breast_epithelial_antigen_ba46_mrna,_complete_cds_
u66075_2349-2793,transcription_factor_hgata-6_mrna,_complete_cds.
u72621_2581-3145,lot1_mrna,_complete_cds_
u78313_963-1515,myogenic_repressor_i-mf_(mdfi)_mrna,_complete_cds
- 25 u85193_1817-2399,nuclear_factor_i-b2_(nfib2)_mrna,_complete_cds
all_x16354_2895-3400,mrna_for_transmembrane_carcinoembryonic_antigen_bgpa_(formerly_tml-
cea)_
all_x81420_1150-1601,mrna_for_hhkb1_protein
all_x87241_14353-14738,mrna_for_hfat_protein_
30 all_y07909_2383-2774,mrna_for_progression_associated_protein_
z75190cds_1747-2070:in_reversesequence,_2087-2276,mrna_for_apolipoprotein_e_receptor_2

Metagene 131

- 35 112723_1781-2360,heat_shock_protein_70_(hsp70)_mrna,_complete_cds
114922_4053-4395,dna-binding_protein_(po-ga)_mrna,_complete_cds_
138932mrna_1076-1466,gt197_partial_orf_mrna,_3'_end_of_cds
m27891exon_13-58:in_reversesequence,_145-370:not_in_gb_record,cystatin_c_(cst3)_gene_
m81057_749-1223,procarboxypeptidase_b_mrna,_complete_cds_

s69272_853-

1403_cytoplasmic_antiproteinase=38_kda_intracellular_serine_proteinase_inhibitor_[human,

u14603_937-1483,protein-tyrosine_phosphatase_(hu-pp-1)_mrna,_partial_sequence

u46689_3317-3863,microsomal_aldehyde_dehydrogenase_(ald10)_mrna,_complete_cds

5 u84388_905-1055,death_domain_containing_protein_cradd_mrna,_complete_cds_

all_x65724_1307-1746,dna_for_orf1_and_orf2_from_chromosome_x_

x84002cds_210-456:in_reversesequence,_706-862,tafi20_mrna_for_transcription_factor_tfiid_

z19585cds_2522-2858:in_reversesequence,_2909-2939,mrna_for_thrombospondin-4_

z49878cds_367-565:in_reversesequence,_734-968,mrna_for_guanidinoacetate_n-methyltransferase_

10 z84718mrna#1_424-982,dna_sequence_from_bac_322b1_on_chromosome_22q11.2-

qter_contains_gstt1,_gstt2_g1

Metagene 368

15 d87447_5712-6258,mrna_for_kiaa0258_gene,_complete_cds

all_j03589_2962-3443,ubiquitin-like_protein_(gdx)_gene,_complete_cds_

118960_679-1177,protein_synthesis_factor_(eif-4c)_mrna,_complete_cds_

m60784mrna_595-950:in_reversesequence,_701-886,u1_snmp-specific_protein_a_gene_

m68864_598-1078,orf_mrna,_complete_cds_

20 m74002_2243-2681,arginine-rich_nuclear_protein_mrna,_complete_cds

u09510_1878-2425,glycyl-trna_synthetase_mrna,_complete_cds_

u12387_1468-1722,thiopurine_methyltransferase_(tpmt)_mrna,_complete_cds

u33821_1229-1661,tax1-binding_protein_txbp151_mrna,_complete_cds_

u41163exon#9_36-266:in_reversesequence,_2625-

25 2862:not_in_gb_record,creatine_transporter_(slc6a10)_ge

u52111mrna#4_1182-

1671,xq28_genomic_dna_in_the_region_of_the_ald_locus_containing_the_genes_for_crea

u59309_1200-

1710,fumarase_precursor_(fh)_mrna,_nuclear_gene_encoding_mitochondrial_protein,_complete

30 u90716_1825-2299,cell_surface_protein_hcar_mrna,_complete_cds

all_x51521_2653-3026,mrna_for_ezrin

x87237cds_2133-2487:in_reversesequence,_2661-2787,mrna_for_processing_a-glucosidase_i_

all_x98296_7705-8096,mrna_for_ubiquitin_hydrolase

z49099mrna_1011-1521,mrna_for_spermine_synthase

35

Metagene 198

d37965_913-1393,mrna_for_pdgf_receptor_beta-like_tumor_suppressor_(prlts),_complete_cds

d42047_3472-3970,mrna_for_kiaa0089_gene,_partial_cds_

- d78134_727-1261,mrna_for_glycine-rich_ma_binding_protein_cirp,_complete_cds_
d87434_4737-5295,mrna_for_kiaa0247_gene,_complete_cds
hg2238-ht2321_s_at_hg2238-ht2321_nuclear_mitotic_apparatus_protein_1,_altsplice_form_2_
hg2815-ht2931_at_hg2815-ht2931_myosin_light_chain_alkali_smooth_muscle,_non-
5 muscle,_altsplice_2_
hg2815-ht4023_s_at_hg2815-
ht4023_myosin_light_chain_alkali_smooth_muscle_smooth_muscle,_altsplic
hg4679-ht5104_at_hg4679-ht5104_oncogene_ret/ptc_fusion_activated
hg651-ht4201_at_hg651-ht4201_adducin_alpha_subunit_altsplice_2_
10 l27560mrna_986-1262,insulin-like_growth_factor_binding_protein(igfbp5)_mrna_
l78132_3279-3789,prostate_carcinoma_tumor_antigen_(pcta-1)_mrna,_complete_cds
m14648_5128-
5692,cell_adhesion_protein_(vitronectin)_receptor_alpha_subunit_mrna,_complete_cds_
m16447_997-1489,dihydropteridine_reductase_(hdhpr)_mrna,_complete_cds
15 m60483mrna_1636-2107,_protein_phosphatase-2a_catalytic_subunit-
alpha_gene_extracted_fromprotein_phos
u12778_2243-2621,acyl-coa_dehydrogenase_mrna,_complete_cds_
u20362_2270-2792,tg737_mrna,_complete_cds
u37690_31-355,rna_polymerase_ii_subunit_(hsrpb10)_mrna,_complete_cds_
20 u40282_1205-1706,integrin-linked_kinase_(ilk)_mrna,_complete_cds_
x59834mrna_2120-2690,rearranged_mrna_for_glutamine_synthase
x62654mrna_314-788,_me491_gene_extracted_fromgene_for_me491/cd63_antigen
x69908mrna_151-
721,_p2_gene_for_c_subunit_of_mitochondrial_atp_synthase_gene_extracted_fromgene_for_
25 all_x75861_1977-2566,tegt_gene_
y00097cds_1757-1982:in_reversesequence,_2114-2324,mrna_for_protein_p68
all_z47087_1065-1438,mrna_for_rna_polymerase_ii_elongation_factor-like_protein_
Metagene 409
30
d50683_5296-5680,mrna_for_tgf-beta1ir_alpha,_complete_cds
d59253_306-618,mrna_for_ncbp_interacting_protein_1,_complete_cds_
d79990_5065-5383,mrna_for_kiaa0168_gene,_complete_cds
d86961_3678-4188,mrna_for_kiaa0206_gene,_partial_cds_
35 d87465_4793-5243,mrna_for_kiaa0275_gene,_complete_cds
j04162mrna_1406-1940,leukocyte_igg_receptor_(fc-gamma-r)_mrna,_complete_cds
m14636_2317-2665,liver_glycogen_phosphorylase_mrna,_complete_cds_
m31153exon_34-232:in_reversesequence,_280-484:not_in_gb_record,steroid_17-alpha-
hydroxylase_gene_

- m59465_3867-4341,tumor_necrosis_factor_alpha_inducible_protein_a20_mrna_complete_cds
m59964_816-1380,stem_cell_factor_mrna_complete_cds
m59979_2109-2511,prostaglandin_endoperoxide_synthase_mrna_complete_cds
m77016_2106-2622,tropomodulin_mrna_complete_cds_
- 5** s50223_197-773,hkr-t1=kruppel-like_zinc_finger_protein_[human,moltc-cells,mrna,798_nt]_
s72869_2415-2955,h4(d10s170)=putative_cytoskeletal_protein_[human,thyroid,mrna,3011_nt]_
u09284_693-1173,pinch_protein_mrna_complete_cds_
u11732_997-1531,ets-like_gene_(tel)_mrna_complete_cds_
u17760mrna_3684-4158,laminin_s_b3_chain_(lamb3)_gene
- 10** u28014_1086-1233,cysteine_protease_(icerel-ii)_mrna_complete_cds
u32849_867-1383,hou_mrna_complete_cds_
u37359_1964-2414,mrell_homolog_hmrell_mrna_complete_cds_
u60800_3638-4010,semaphorin_(cd100)_mrna_complete_cds_
u63824_1129-1645,transcription_factor_rtef-1_(rtef1)_mrna_complete_cds
- 15** u68135_7-204,scc-
slc_mrna_expressed_in_metastatic_and_relatively_radioresistant_squamous_cell_carcin
u76638_1947-2505,brcal-associated_ring_domain_protein_(bard1)_mrna_complete_cds_
all_x07109_2732-3303,mrna_for_protein_kinase_c_(pkc)_type_beta_ii
x54870mrna_1162-1702,mrna_for_nkg2-d_gene
- 20** x65965exon#1-2_32-94,sod-
2_gene_for_manganese_superoxide_dismutase/gb=x65965_/ntype=dna_/annot=exon
all_x66079_925-1400,spi-b_mrna_
all_x66533_1884-2365,soluble_guanylate_cyclase_small_subunit_mrna
x69819cds_1122-1620:in_reversesequence,_1640-1700,icam-3_mrna_
- 25** x99050mrna_3041-3461_orf_gene_extracted_frommrna_for_63_kda_protein
z25521cds_526-884:in_reversesequence,_1068-
1179,integrin_associated_protein_mrna_complete_cds,.
- Metagene 353
- 30** d14520_718-1258,mrna_for_gc-box_binding_protein_bteb2_complete_cds
d90097cds_983-1499,amy2b_gene_for_alpha-amylase
l33798_5571-6129,dihydropyridine-sensitive_l-type_calcium_channel_alpha-
1_subunit_(cacn11a3)_mrna_c
- 35** m12959_1035-1486,t-cell_receptor_active_alpha-chain_mrna_from_jm_cell_line_complete_cds_
m16750_1699-2210,pim-1_oncogene_mrna_complete_cds_
m32334cds_461-737:in_reversesequence,_186-348,intercellular_adhesion_molecule(icam-2)_gene_
m37766_475-955,mem-102_glycoprotein_mrna_complete_cds_
m81695_4051-4597,leukocyte_adhesion_glycoprotein_p150,95_mrna_complete_cds

- u48959_5397-5793,myosin_light_chain_kinase_(mlck)_mrna,_complete_cds_
u82979_785-1371,immunoglobulin-like_transcript-3_mrna,_complete_cds
u91903_1323-1815,fritz_mrna,_complete_cds
all_x00437_966-1143,mrna_for_t-cell_specific_protein_
5 x02910exon#4_604-1132,gene_for_tumor_necrosis_factor_(tnf-alpha)_
all_x63629_2582-3126,mrna_for_p_cadherin_
all_x74039_805-1058,mrna_for_urokinase_plasminogen_activator_receptor
all_x76383_376-821,mrna_for_he3(alpha)_
z35278mrna_3328-3760,pebp2ac1_acute_myeloid_leukaemia_mrna_
10
Metagene 379
d85425_758-1328,mrna_for_transactivator_hsm-1,_complete_cds
d86977_3721-4141,mrna_for_kiaa0224_gene,_complete_cds
15 all_d88422_230-483:in_d88422cds_13-188,dna_for_cystatin_a_
hg2743-ht2845_at_hg2743-ht2845_caldesmon_1,_altsplice_3,_non-muscle
hg2743-ht2846_s_at_hg2743-ht2846_caldesmon_1,_altsplice_4,_non-muscle
hg4068-ht4338_at_hg4068-ht4338_phosphoprotein_tal2_
122524cds_462-734:in_reversesequence,_46-197,matrilysin_gene
20 all_m13792_34370-
35897:in_m13792cds_995:not_in_gb_record,adenosine_deaminase_(ada)_gene,_complete_cd
m16038_1817-2255,lyn_mrna_encoding_a_tyrosine_kinase_
m36284mrna_315-852,glycophorin_c_mrna,_complete_cds
all_m37485_1008-1230,_igh@_gene_(ig_dxp_heavy-chain_gene)_extracted_fromig_germline_h-
25 chain_d-region
m77349_2102-2642,transforming_growth_factor-
beta_induced_gene_product_(bigh3)_mrna,_complete_cds_
all_m83216_3388-3584,aorta_caldesmon_mrna,_complete_cds
u03688_4501-5047,dioxin-inducible_cytochrome_p450_(cyp1b1)_mrna,_complete_cds
30 u04313_1983-2523,maspin_mrna,_complete_cds_
u17077_1716-2190,bene_mrna,_partial_cds
u20240_448-898,c/ebp_gamma_mrna,_complete_cds
u27185_263-791,rar-responsive_(tig1)_mrna,_complete_cds
u31201mrna_4592-
35 5106,laminin_gamma2_chain_gene_(lamc2),laminin_gamma2_chain_gene_(lamc2)_
u75968_3641-4139,clone_c3_chl1_protein_(chlrl1)_mrna,_alternatively_spliced,_complete_cds_
u90905_452-992,clone_23574_mrna_sequence_
u90908_1268-1784,clones_23549_and_23762_mrna,_complete_cds_

- all_x04011_3678-4255,mrna_of_x-
 cgd_gene_involved_in_chronic_granulomatous_disease_located_on_chromos
 x04470cds_24-374:in_reversesequence,_408-
 495,mrna_for_antileukoprotease_(alp)_from_cervix_uterus
- 5 all_x16662_1399-1916,mrna_for_vascular_anticoagulant-beta_(vac-beta)_
 all_x56692_1122-1585,mrna_for_c-reactive_protein_
 x95325mrna_783-1250,mrna_for_dna_binding_protein_a_variant_
- Metagene 303
- 10 d43682_1584-2115,mrna_for_very-long-chain_acyl-coa_dehydrogenase_(vlcad),_complete_cds_
 j05633_2714-3008,integrin_beta-5_subunit_mrna,_complete_cds
 107615mrna_2289-2727,neuropeptide_y_receptor_y1_(npyy1)_mrna,_exon_3-
 feb_and_complete_cds/gb=107615_
- 15 107807_2600-3147,dynamin_mrna,_alternative_exons_and_complete_cds
 127841_6012-6498,autoantigen_pericentriol_material(pcm-1)_mrna,_complete_cds
 m15182mrna_1686-2106,beta-glucuronidase_mrna,_complete_cds_
 m19309mrna_382-939,slow_skeletal_muscle_troponin_t_mrna,_clone_h22h
 m29877mrna_1434-1932,alpha-l-fucosidase,_complete_cds
- 20 m36205cds_73-319:in_reversesequence,_26-56:not_in_gb_record,synaptobrevin(syb2)_gene
 m62403_1343-1924,insulin-like_growth_factor_binding_protein(igfbp4)_mrna,_complete_cds
 m74715_1574-2080,alpha-l-iduronidas_(idua)_mrna,_complete_cds
 m97815exon#3_21-405,retinoic_acid-binding_protein_ii_(crabp-ii)_gene_
 s80437_1601-
- 25 2185,_fatty_acid_synthase_{3' region}_[human,_breast_and_hepg2_cells,_mrna_partial,_2237
 s81914_760-1180,_icx-1=radiation-inducible_immediate-
 early_gene_[human,_placenta,_mrna_partial,_1223
 u26726_1548-1842,11-beta-hydroxysteroid_dehydrogenase_typermrna,_complete_cds
 u28369_2474-2894,semaphorin_v_mrna,_complete_cds_
- 30 u49278_2752-3262,putative_dna-binding_protein_mrna,_partial_cds
 u53225_1409-1949,sorting_nexin(snx1)_mrna,_complete_cds_
 all_u57316_1593-1996,gcn5_(hgc5)_gene,_complete_cds_
 u72066_2672-3212,ctbp_interacting_protein_ctip_(ctip)_mrna,_complete_cds_
 x13238cds_19-199:in_reversesequence,_272-386,mrna_for_cytochrome_c_oxidase_subunit_vic
- 35 x54232mrna_3259-3643,mrna_for_heparan_sulfate_proteoglycan_(glypican)
 x57129cds_373-583:in_reversesequence,_1216-1366,h1.2_gene_for_histone_h1
 all_x82456_3287-3834,mln50_mrna
 y00503cds_799-1165:in_reversesequence,_1221-1227,mrna_for_keratin_19
 all_z68228_2878-3328,mrna_for_plakoglobin

Metagene 176

- j04027_4061-4343,plasma_membrane_ca2+_pumping_atpase_mrna,_complete_cds
- 5 m11119mrna_722-1011,endogenous_retrovirus_envelope_region_mrna(pl1)_
u29656_247-751,dr-nm23_mrna,_complete_cds
u48251_2308-2651:not_in_gb_record,protein_kinase_c-binding_protein_rack7_mrna,_partial_cds
u68019_1774-2218,mad_protein_homolog(hmad-3)_mrna,_complete_cds_
u77604_13-493,microsomal_glutathione_s-transferase(gst-ii)_mrna,_complete_cds_
10 u96922_2336-2822,inositol_polyphosphate_4-phosphatase_type_ii-
alpha_mrna,_complete_cds/gb=u96922_/nt
x70940cds_1130-1298:in_reversesequence,_1591-1722,mrna_for_elongation_factoralpha-2_
x71973cds_200-530:in_reversesequence,_658-808,gpx-
4_mrna_for_phospholipid_hydroperoxide_glutathione_
15 y07827cds_785-972,mrna_for_putb7,3_molecule_of_cd80-cd60_protein_family

Metagene 212

- d43968_6790-7222,aml1_mrna_for_aml1b_protein(alternatively_spliced_product),_complete_cds_
20 d50477_1507-2066,mrna_for_membrane-type_matrix_metalloproteinase_3,_complete_cds_
l13286_2671-3205,mitochondrial_1,25-dihydroxyvitamin_d3_24-hydroxylase_mrna,_complete_cds
m68516mrna_1662-
2172,_pci_gene(plasminogen_activator_inhibitor_3)_extracted_fromprotein_c_inhibitor
u72649_2206-2584,btg2(btg2)_mrna,_complete_cds
25 x17059cds_522-840:in_reversesequence,_1331-1418,nat1_gene_for_arylamine_n-acetyltransferase_
x81889cds_3255-3561:in_reversesequence,_3774-3786,mrna_for_p0071_protein

Metagene 221

- 30 hg1763-ht1780_s_at_hg1763-ht1780_prolactin-induced_protein_
l19778_1871-2207,histone(h2a.1b)_mrna,_complete_cds
m35851cds_2287-2708:in_reversesequence,_200-266,androgen_receptor_gene

Metagene 86

- 35 d12485_2904-3444,mrna_for_nucleotide_pyrophosphatase,_complete_cds_
d42123_655-1135,mrna_for_esp1/crp2,_complete_cds_
d63479_5529-6079,mrna_for_kiaa0145_gene,_complete_cds
m16938_1154-1659,homeo_box_c8_protein,_mrna,_complete_cds

- m59815mrna_5022-5424,complement_component_c4a_gene_
m63167_2039-2429,rac_protein_kinase_alpha_mrna,_complete_cds_
u24266_2533-3103,pyrroline-5-
carboxylate_dehydrogenase_(p5cdh)_mrna,_long_form,_complete_cds_
5 u33147_43-463,mammaglobin_mrna,_complete_cds_
u68142_1372-1900,ralgds-like(rgl2)_mrna,_partial_cds
u83411_1505-2039,carboxypeptidase_z_precursor,_mrna,_complete_cds.
u94592_1287-1809,uncoupling_protein_homolog_(ucph)_mrna,_complete_cds
all_x78706_1878-2443,mrna_for_carnitine_acetyltransferase
- 10** Metagene 488
- reverse_ac002076_127531-127606,_wugsc:gs345d13.2_gene_(g-protein_gamma-
1_subunit)_extracted_frombac_
15 d13637_2062-2566,mrna_for_kiaa0012_gene,_complete_cds
d28915cds_1002-1272:in_reversesequence,_114-186,gene_for_hepatitis_c-
associated_microtubular_aggrega
hg2705-ht2801_s_at_hg2705-ht2801_serine/threonine_kinase_
k02765_4466-4916,complement_component_c3_mrna,_alpha_and_beta_subunits,_complete_cds_
20 106175_1924-2482,p5-1_mrna,_complete_cds
112535_1641-2151,rsu-1/rsp-1_mrna,_complete_cds
m11147mrna_251-689,ferritin_1_chain_mrna,_complete_cds_
m13699mrna_2810-3278,ceruloplasmin_(ferroxidase)_mrna,_complete_cds
m30818mrna_2384-2888,interferon-
25 induced_cellular_resistance_mediator_protein_(mxb)_mrna,_complete_cd
m33195_13-457,fc-epsilon-receptor_gamma-chain_mrna,_complete_cds_
m37435_3368-3914,macrophage-specific_colony-stimulating_factor_(csf-1)_mrna,_complete_cds
m55542mrna_2310-2802,guanylate_binding_protein_isoform_i_(gbp-2)_mrna,_complete_cds
m68874_2293-2779,phosphatidylcholine_2-acylhydrolase_(cpla2)_mrna,_complete_cds
30 m81750mrna_1132-1645,myeloid_cell_nuclear_differentiation_antigen_mrna,_complete_cds_
u52101_61-451,ymp_mrna,_complete_cds_
all_x02530_571-1118,mrna_for_gamma-
interferon_inducible_early_response_gene_(with_homology_to_platel
all_x99886_601-2202:in_x99886cds_96-127,mcp-2_gene
35 all_z83735_344-817,hh3/k_gene

Metagene 144

ab006782_1392-1672,mrna_for_galectin-9_isoform,_complete_cds/gb=ab006782_/ntype=rna_

- d32129_920-1425,mrna_for_hla-i_(hla-a26)_heavy_chain,_complete_cds_(clone_cmiy-1)
 all_d49824_945-978,hla-b_null_allele_mrna,hla-b_null_allele_mrna
 hg2915-ht3059_f_at_hg2915-ht3059_major_histocompatibility_complex,_i,_e
 hg2917-ht3061_f_at_hg2917-ht3061_major_histocompatibility_complex,_i,_e
5 hg3597-ht3800_f_at_hg3597-ht3800_major_histocompatibility_complex,_i_
 hg658-ht658_f_at_hg658-ht658_major_histocompatibility_complex,_i,_c
 j00105_24-520,beta-2_microglobulin_gene_mrna,_3'_end_
 j04080mrna_2136-2604,complement_component_c1r_mrna,_complete_cds_
 m13690mrna_1190-1739,plasma_protease_(c1)_inhibitor_mrna,_complete_cds_
10 m14058_1982-2438,complement_c1r_mrna,_complete_cds_
 m58286_1533-2054,tumor_necrosis_factor_receptor_mrna,_complete_cds
 m63838_2097-2643,interferon-gamma_induced_protein_(ifi_16)_gene,_complete_cds
 m64099_1873-2371,gamma-glutmyl_transpeptidase-related_protein_(ggc-rel)_mrna,_complete_cds_
 m92357_3609-4131,b94_protein_mrna,_complete_cds_
15 m94880_f_at_m94880_m94880_4040_in_m94880_515-1055,mhc_i_(hla-a*8001)_mrna
 m97935_3412-3886,transcription_factor_isgf-3_mrna_sequence_
 u49020mrna#1_4711-5228,_mef2a_gene_(myocyte-
 specific_enhancer_factor_2a,_c9_form)_extracted_frommyoc
 u70451_2097-
20 2607,myleoid_differentiation_primary_response_protein_myd88_mrna,_complete_cds.
 all_x07696_1300-1685,mrna_for_cytokeratin_15_
 x12451mrna_974-1496,mrna_for_pro-cathepsin_1_(major_excreted_protein_mep)_
 x53587mrna_5160-5688,mrna_for_integrin_beta_4
 all_x82200_2236-2801,staf50_mrna_
25 x83416exon_1688-2160,prp_gene,_exon_2
 all_z19554_1243-1734,vimentin_gene_

Metagene 288

- 30** 107919_1386-1779,homeodomain_protein_dlx-2_mrna,_3'_end
 u17032_4391-4961,p190-b_(p190-b)_mrna,_complete_cds

Metagene 454

- 35** all_102326_2-320,(clone_hu_lambda-17)_lambda-like_gene,_complete_cds
 all_m34516_426-
 469,omega_light_chain_protein_14.1_(ig_lambda_chain_related)_gene,omega_light_chain_p
 all_m34516_426-
 469,omega_light_chain_protein_14.1_(ig_lambda_chain_related)_gene,omega_light_chain_p

- m63438_794-1195,ig_rearranged_gamma_chain_mrna_v-j-c_region_and_complete_cds
m87789_1021-1512,(hybridoma_h210)_anti-
hepatitis_a_igg_variable_region_constant_region_complementa
v00563mrna_19-127,gene_for_immunoglobulin_mu_part_of_exon_8.
- 5** x53961cds_1772-2060:in_reversesequence,_2450-2564,mrna_for_lactoferrin
x57809mrna_309-
449, rearranged_immunoglobulin_lambda_light_chain_mrna, rearranged_immunoglobulin_lambd
- Metagene 68
- 10** d63875_3762-4200,mrna_for_kiaa0155_gene,_complete_cds
d87002cds#2_4-201: not_in_gb_record, pom121-
likegene_extracted_from(lambda)_dna_for_immunoglobulin_ligh
all_j00277_3607-3724,(genomic_clones_lambda-[sk2-t2,hs578t];_cdna_clones_rs-[3,4,6])_c-ha-
- 15** rasl_pro
j04810_2923-3414,msh3_gene,_complete_cds_
m13232mrna_1850-2405,factor_vii_serine_protease_precursor_mrna,_complete_cds,_clone_lambda-
hvii2463
m34376mrna_2-238,(clone_lambda_msp131)_beta-microseminoprotein_(msp)_gene_
20 all_m76732_736-1273,hox7_gene
s67325_1328-
1712,_propionyl_coa_carboxylase_beta_subunit [human, liver, placenta, hl1008, mrna, 1791
u09196mrna_725-1169,1.1_kb_mrna_upregulated_in_retinoic_acid_treated_hl-60_neutrophilic_cells
u21858_704-1064,transcriptional_activation_factor_tafii32_mrna,_complete_cds_
25 u26266_490-1046,deoxyhypusine_synthase_mrna,_complete_cds/gb=u26266_/ntype=ma_
u31176_1677-2217,herv1_mrna,_complete_cds
u37221_1537-1981,cyclophilin-like_protein_mrna,_partial_cds
u43408_2308-2668,tyrosine_kinase_(tnk1)_mrna,_complete_cds_
u50383_2015-2441,retinoic_acid-responsive_protein_(nn8-4ag)_mrna,_complete_cds_
30 u61981_3743-
3819,putative_mismatch_repair/binding_protein_hmsh3_(hmsh3)_mma,_complete_cds_
u66702_4190-4616,phogrin_mrna,_complete_cds
u83239_323-877,cc_chemokine_stcp-1_mrna,_complete_cds
all_x52426_1139-1665,mrna_for_cytokeratin_13_
35 all_x64643_1944-2407,c6.1a_mrna
x68733mrna_1056-1488,gene_for_alpha1-antichymotrypsin_exon_1_
all_x81836_812-1414,mrna_for_dents_disease_candidate_gene
x89984cds_465-573:in_reversesequence,_1646-1820,mrna_for_bcl7a_protein
all_x91648_1082-1611,mrna_for_pur_alpha_extended_3'_untranslated_region

- all_x92106_1361-1932,mrna_for_bleomycin_hydrolase
 x93036cds_88-163:in_reversesequence,_34-37,mrna_for_mat8_protein
 all_x96484_497-1056,mrna_for_dgcr6_protein_
 x97444cds_2-405,mrna_for_transmembrane_protein_tmp21-iiex/gb=x97444_/ntype=ma_
5 x98834mrna_4116-
 4620,_zinc_finger_protein_hsal2_gene_extracted_frommrna_for_zinc_finger_protein_hsa
 z78289_35-153,mrna_(clone_1d2).
- Metagene 47
- 10** m30496_321-759,ubiquitin_carboxyl-terminal_hydrolase_(pgp_9.5,_uch-
 l3)_isozyme_l3_mrna_complete_cds
 s62539_5366-5756,_insulin_receptor_substrate-1_[human,_skeletal_muscle,_mrna,_5828_nt]
 s77393_43-
15 205,_transcript_ch138_[human,_rf1,rf48_stomach_cancer_cell_lines,_mrna,_235_nt]/gb=s77393_
 u17886mrna_507-981,succinate_dehydrogenase_iron-protein_subunit_(sdhb)_gene
 x82068cds_2293-2647:in_reversesequence,_3019-
 3103,mrna_for_glutamate_receptor_subunit_glurc_
 all_x86163_2233-2564,mrna_for_b2-bradykinin_receptor,_3'_
20 x93511cds_2-312,mrna_for_telomeric_dna_binding_protein_(orf1)

Metagene 474

- d83243_5401-5857,npat_mrna_complete_cds_
25 hg4297-ht4567_at_hg4297-ht4567_transcriptional_coactivator_pc4_
 l22075_795-1377,guanine_nucleotide_regulatory_protein_(g13)_mrna_complete_cds_
 l40157_4445-4907,endosome-associated_protein_(eeal)_mrna_complete_cds_
 l40400mrna_2014-2542,(clone_zap113)_mrna,_3'_end_of_cds_
 l76571cds_440-734:in_reversesequence,_1070-
30 1310,nuclear_hormone_receptor_(shp)_gene,_3'_end_of_cds
 s62028_496-1041,_recoverin_[human,_retina,_mrna,_1108_nt]
 u31248_1663-2209,zinc_finger_protein_(znf174)_mrna_complete_cds_
 u49516_4157-4691,serotonin_5-ht2c_receptor_mrna_complete_cds
 x53595cds_525-1007:in_reversesequence,_1054-1104,mrna_for_beta-2-
35 glycoprotein_i_(apolipoprotein_h)
 x90858cds#2_396-888:in_reversesequence,_1270-1306,mrna_for_uridine_phosphorylase

Metagene 455

- 112060mrna_1032-1411,retinoic_acid_receptor_(gamma-7)_mrna
 132832_11295-11853,zinc_finger_homeodomain_protein_(atbf1-a)_mrna,_complete_cds.
 133842mrna_1213-1639,(clone_ffe-
 7)_type_ii_inosine_monophosphate_dehydrogenase_(impdh2)_gene,_exons_
5 136644mrna_3085-3137,receptor_protein-tyrosine_kinase_(hek7)_mrna,_3'_end_
 149219exon_2-42:in_reversesequence,_70-
 79,retinoblastoma_susceptibility_protein_(rb1)_1486wbp_deleti
 u21943_2246-2678,organic_anion_transporting_polypeptide_(oatp)_mrna,_complete_cds
 u41767_2113-2688,metargidin_precursor_mrna,_complete_cds_
10 u46461_1591-2152,dishevelled_homolog_(dvl)_mrna,_complete_cds
 u50062_1713-2181,rip_protein_kinase_gene,_complete_cds_
 x52213cds_810-1371,ltk_mrna
 x57025mrna_6635-7151,igf-i_mrna_for_insulin-like_growth_factor_i_
 x66142cds_2216-2539:in_reversesequence,_2600-2643,mrna_for_rod_cgmp_phosphodiesterase_
15 x99897cds_6561-6760:in_reversesequence,_7057-7274,mrna_for_p/q-
 type_calcium_channel_alpha1_subunit_

Metagene 325

- 20** .d86096_cds1_s_at_d86096_d86096,not_in_gb_record,_ep3-
 iv_gene_extracted_fromdna_for_prostaglandin_e_r
 d86096_cds3_at_d86096_d86096,not_in_gb_record,_ep3-
 iv_gene_extracted_fromdna_for_prostaglandin_e_rec
 s74720_1889-1995,_dax-1=dss-
25 ahc_critical_region_on_x_chromosome,_gene[human,_adrenal_hypoplasia_cong
 all_x17098_1278-1357,psg10_mrna_for_pregnancy_specific_glycoprotein_10_

Metagene 135

- 30** 140396mrna_1542-2028,(clone_s22i71)_mrna_fragment_
 m21186_122-650,neutrophil_cytochrome_b_light_chain_p22_phagocyte_b-
 cytochrome_mrna,_complete_cds_
 m98833_2383-2899,ergb_transcription_factor_(fli-1_homolog)_mrna,_complete_cds
 u27655_2169-2577,rgp3_mrna,_complete_cds_

35

Metagene 74

- l21715_127-631,troponin_i_fast-twitch_isoform_mrna,_complete_cds
 l76687mrna_1823-2291,grb14_mrna,_complete_cds_

y07596cds_1035-1149:in_reversesequence,_1173-1509,mrna_for_gpi8_protein_
z19574mrna_1039-1479,gene_for_cytokeratin_17

Metagene 372

5

ac002486cds_812-1358,bac_clone_rg367o17_from_7p15-
p21,_complete_sequence/gb=ac002486_/ntype=dna_/ann
af002700_931-1471,tgf-beta_related_neurotrophic_factor_receptor(trnr2)_mrna,_complete_cds
d13168exon_2254-2800,gene_for_endothelin-b_receptor_(het-br)_

10

j00148cds#1_103-613:in_reversesequence,_1796-
1841,growth_hormone_(somatotropin,_gh1)_gene,_complete_
j04093_1842-2342,phenol_udp-glucuronosyltransferase_(udpgt)_mrna,_complete_cds
m22995_1008-1542,ras-related_protein_(krev-1)_mrna,_complete_cds_
u90336_2606-3074,peg3_mrna,_partial_cds

15

all_x69886_1163-1504,mrna_for_glycerol_kinase
x92814cds_194-458:in_reversesequence,_907-937,mrna_for_rat_hrev107-like_protein_
z20656mrna_5438-5751,of_cardiac_alpha-myosin_heavy_chain_gene

Metagene 304

20

d13639_5889-6345,mrna_for_kiak0002_gene,_complete_cds
d89077_2160-2592,mrna_for_src-like_adapter_protein,_complete_cds_
hg1872-ht1907_at_hg1872-ht1907_major_histocompatibility_complex,_dg
hg3576-ht3779_f_at_hg3576-ht3779_major_histocompatibility_complex,_ii_beta_w52_

25

all_j00123_539-1020,enkephalin_gene
j03909_461-995,gamma-interferon-inducible_protein_(ip-30)_mrna,_complete_cds_
j04130mrna_87-634,activation_(act-2)_mrna,_complete_cds
all_k02405_5550-7761:in_k02405cds_778,mhc_ii_hla-dc-3-beta_gene_(dr3,3)_
m12529mrna_562-1132,apolipoprotein_e_mrna,_complete_cds

30

m12886_950-1091,t-cell_receptor_active_beta-chain_mrna,_complete_cds_
m13560exon_3-562:not_in_gb_record,ia-associated_invariant_gamma-chain_gene
m20902cds_2-200:in_reversesequence,_517-5083,apolipoprotein_c-i_(vldl)_gene,_complete_cds_
m21119_137-591,lysozyme_mrna,_complete_cds_
m26062_3505-3871,interleukinreceptor_beta_chain_(p70-75)_mrna,_complete_cds_

35

m34996_448-699,mhc_cell_surface_glycoprotein_(hla-dqa)_mrna,_3'_end
m57466mrna_514-1036,mhc_ii_hla-dp_light_chain_mrna,_complete_cds_
m59807mrna_369-933,nk4_mrna,_complete_cds
m63835mrna_896-1388,igg_fc_receptor_i_gene_
u15085_821-1289,hla-dmb_mrna,_complete_cds_

- u19713_18-374,allograft-inflammatory_factor-1_mrna,_complete_cds_
u20158_1551-1911,76_kda_tyrosine_phosphoprotein_slp-76_mrna,_complete_cds
u51240_1679-2171,lysosomal-associated_multitransmembrane_protein_(laptm5)_mrna,_complete_cds_
5 u89922_267-773,lymphotoxin_beta_isoform_variant,_alternatively_spliced_mrna,_complete_cds
x00274exon#5_1-337:not_in_gb_record,gene_for_hla-dr_alpha_heavy_chain_a_ii_antigen_(immune_response_
x03068_f_at_x03068_x03068,_40_in_x03068cds_600-750:_29_in_reversesequence,_867-1167,mrna_for_hla-d_i
10 x03100mrna_908-1124:in_reversesequence,_10629-10851,_hla-sb_alpha_gene_(class_ii_antigen)_extracted_
all_x07743_2156-2679,mrna_for_pleckstrin_(p47)_
all_x16663_1397-1872,hs1_gene_for_heamatopoietic_lineage_cell_specific_protein_
all_x59892_2163-2542,mrna_for_ifn-inducible_gamma2_protein_
15 x62744cds_469-745:in_reversesequence,_814-1018,ring6_mrna_for_hla_ii_alpha_chain-like_product_
x66401cds#1_327-615:in_fullsequence,_45931-47208:not_in_gb_record,_lmp2_gene_extracted_fromgenes_tap
x68090cds_5-61,fc-gamma-
20 riia_gene_for_igg_fc_receptor_ii_a_(5'_flank)/gb=x68090/_ntype=dna/_annot=cds
all_x72755_2106-2479,humig_mrna
x89109cds_860-1326:in_reversesequence,_1457-1488,mrna_for_coronin_
z36531cds_934-1294:in_reversesequence,_1345-1453,mrna_for_fibrinogen-like_protein_(pt49_protein)
25
Metagene 10
d78333_1188-1734,mrna_for_testis-specific_tcp20,_complete_cds
m86707_1190-1580,myristoyl_coa:protein_n-myristoyltransferase_mrna
30 s77410_1805-2225,_typeangiotensin_ii_receptor_[human,_liver,_mrna,_2268_nt]
u25997_3311-3824,stanniocalcin_precursor_(stc)_mrna,_complete_cds
u40490_3673-
4177,nicotinamide_nucleotide_transhydrogenase_mrna,_nuclear_gene_encoding_mitochondrial_
u50078_14603-15101,guanine_nucleotide_exchange_factor_p532_mrna,_complete_cds
35 u65932_1244-1634,extracellular_matrix_protein(ecm1)_mrna,_complete_cds
all_x84373_6655-7208,mrna_for_nuclear_factor_rip140

Metagene 273

- d13666_2630-3072,mrna_for_osteoblast_specific_factor(osf-2os)
d21255_3362-3812,mrna_for_ob-cadherin-2,_complete_cds
hg1140-ht4817_s_at_hg1140-ht4817_collagen_type_vi_alpha_2,_altsplice_2_
hg3044-ht3742_s_at_hg3044-ht3742_fibronectin,_altsplice_1
5 hg3431-ht3616_s_at_hg3431-ht3616_decorin,_altsplice_1
j04177_5773-6133,alpha-1_type_xi_collagen_(coll1a1)_mrna,_complete_cds_
all_l16895_1511-2016,lysyl_oxidase_(lox)_gene,_exon_7
m24486mrna_2110-2684,prolyl_4-hydroxylase_alpha_subunit_mrna,_complete_cds,_clone_pa-11
m65292_667-1202,factor_h_homologue_mrna,_complete_cds
10 u21128_1254-1632,lumican_mrna,_complete_cds
u37283_370-868,microfibril-associated_glycoprotein-2_magp-2_mrna,_complete_cds_
all_x02761_7082-7646,mrna_for_fibronectin_(fn_precursor)_
all_x06700_1946-2466,mrna_3'_region_for_pro-alpha1(iii)_collagen_
all_x14787_5124-5701,mrna_for_thrombospondin_
15 x52022_9941-10349,ma_for_type_vi_collagen_alpha3_chain
x57766mrna_1658-2168,stromelysin-3_mrna
all_x82153_1128-1615,mrna_for_cathepsin_o
all_z74615_5320-5852,mrna_for_prepro-alpha1(i)_collagen
all_z74616_4470-4992,mrna_for_prepro-alpha2(i)_collagen
20
Metagene 330

d10040_3243-3489,mrna_for_long-chain_acyl-coa_synthetase_
d55654_786-1224,mrna_for_cytosolic_malate_dehydrogenase,_complete_cds
25 d63874_865-1153,mrna_for_hmg-1,_complete_cds_
d63878_2850-3408,mrna_for_kiaa0158_gene,_complete_cds
d63880_4952-5504,mrna_for_kiaa0159_gene,_complete_cds
d79205_5-319:in_reversesequence,_323-325,mrna_for_ribosomal_protein_l39,_complete_cds_
d79996_1759-2305,mrna_for_kiaa0174_gene,_complete_cds
30 d90209_1420-1972,mrna_for_dna_binding_protein_taxreb67_
hg1116-ht1116_at_hg1116-ht1116_proliferating-cell_nucleolar_antigen,_120_kda_
hg4312-ht4582_s_at_hg4312-ht4582_transcription_factor_iiia_
hg4334-ht4604_s_at_hg4334-ht4604_glycogenin
j05032_1721-2153,aspartyl-trna_synthetase_alpha-2_subunit_mrna,_complete_cds_
35 l08069_909-1347,heat_shock_protein,_ecoli_dnaj_homologue_mrna,_complete_cds
l13761mrna_3838-4270,dihydrolipoamide_dehydrogenase_gene,_exon_14_
l20941_615-1143,ferritin_heavy_chain_mrna,_complete_cds
l25931_3127-3607,lamin_b_receptor_(lbr)_mrna,_complete_cds_
l33881_1822-2206,protein_kinase_c_iota_isoform,_complete_cds_

- 176200_268-796,guanylate_kinase_(guk1)_mrna,_complete_cds
 m15990_3916-4390,c-yes-1_mrna
 all_m19283_2724-3319,cytoskeletal_gamma-actin_gene,_complete_cds_
 m22382mrna_1758-2184,mitochondrial_matrix_protein_p1_(nuclear_encoded)_mrna,_complete_cds
- 5** m26880_2206-2246,ubiquitin_mrna,_complete_cds
 m29064_1225-1657,hnrnp_b1_protein_mrna_
 m33521exon#2_2706-3144:in_reversesequence,_4118-4148,hla-b-associated_transcript(bat3)_gene,_5'_end
 m55531mrna_1647-2175,glucose_transport-like(glut5)_mrna,_complete_cds_
- 10** m60858mrna_2193-2481,nucleolin_gene,_complete_cds_
 m84739_1366-1876,autoantigen_calreticulin_mrna,_complete_cds_
 m85169_2712-3276,homologue_of_yeast_sec7_mrna,_complete_cds
 m94556_171-567,mitochondrial_specific_single_stranded_dna_binding_protein_mrna,_complete_cds_
- 15** m96843_668-1112,striated_muscle_contraction_regulatory_protein_(id2b)_mrna,_complete_cds_
 m96982_483-801,u2_snrnp_auxiliary_factor_small_subunit,_complete_cds
 s63912_2442-3018,_d10s102=fbrnp_[human,_fetal_brain,_mrna,_3043_nt]_
 u05227_1078-1564,rar_protein_mrna,_complete_cds
 u07550_139-493,chaperoninmrna,_complete_cds
- 20** u09587_2261-2330,glycyl-trna_synthetase_mrna,_complete_cds.
 u19247mrna_1469-1939,interferon-gamma_receptor_alpha_chain_gene_
 u24576_1467-2013,breast_tumor_autoantigen_mrna,_complete_sequence
 u40369mrna_851-995,spermidine/spermine_n1-acetyltransferase_(ssat)_gene,_complete_cds_
 u41816_614-1004,c-1_mrna,_complete_cds_
- 25** u47635_1921-2353,d13s824e_locus_mrna,_complete_cds_
 u51478_856-1282,sodium/potassium-transporting_atpase_beta-3_subunit_mrna,_complete_cds_
 u63743_2187-2715,mitotic_centromere-associated_kinesin_mrna,_complete_cds
 u69126_1831-2345,fuse_binding_protein(fbp2)_mrna,_partial_cds_
 u75308_3654-4092,tbp-associated_factor_(htafii130)_mrna,_partial_cds_
- 30** u90552_2814-3377,butyrophilin_(btf5)_mrna,_complete_cds,butyrophilin_(btf5)_mrna,_complete_cds
 all_x14684_629-1150,mrna_for_la_protein_c-terminal_region
 all_x51755_8272-8537,_ig_light-chain,_partial_ke-oz-_polypeptide;_author-given_protein_sequence_is_i
- 35** x56494mrna#1_1894-2398,m_gene_for_m1-type_and_m2-type_pyruvate_kinase
 all_x59812_1586-2025,cyp_27_mrna_for_vitamin_d3_25-hydroxylase_
 all_x60221_635-1044,mrna_for_h+-atp_synthase_subunit_b_
 all_x78627_2163-2674,mrna_for_translin_
 all_x99325_1482-1927,mrna_for_ste20-like_kinase

all_z29064_3656-4251,af-1p_mrna
 z50022mrna_2064-2478,mrna_for_surface_glycoprotein_
 z74792mrna_1470-1917,mrna_for_ccaat_transcription_binding_factor_subunit_gamma.

5 Metagene 205

j02973mrna_3467-4007,_thbd_gene_extracted_fromthrombomodulin_gene,_complete_cds_
 136069_1283-
 1709,high_conductance_inward_rectifier_potassium_channel_alpha_subunit_mrna,_complete_cd
 10 u51587_4262-4772,golgi_complex_autoantigen_golgin-97_mrna,_complete_cds
 all_x55666_1222-1613,usf_mrna_for_late_upstream_transcription_factor_
 x58377mrna_1716-2232,mrna_for_adipogenesis_inhibitory_factor_

Metagene 117

15

all_m21642_180-
 301,(dysfunctional)_antithrombin_iii_(atiii)_utah_gene,(dysfunctional)_antithrombin_i
 m83772_1565-2015,flavin-containing_monooxygenase_form_ii_(fmo2)_mrna,_complete_cds_
 y07829exon#1_7-
 20 283,_exon_fromgene_encoding_ring_finger_protein/gb=y07829_/ntype=dna_/annot=exon,_exo

Metagene 28

d14822_570-717,chimeric_mrna_derived_from_aml1_gene_and_mtg8(eto)_gene,_partial_sequence.
 25 d87743_3861-4323,mrna_for_kiaa0267_gene,_partial_cds_
 hg3942-ht4212_at_hg3942-ht4212_interferon
 114787_1203-1641,dna-binding_protein_mrna,_3'_end
 115388_1992-2478,g_protein-coupled_receptor_kinase_(grk5)_mrna,_complete_cds_
 124564_854-1400,rad_mrna,_complete_cds_
 30 all_m61853_1735-2240,cytochrome_p450c18_(cyp2c18)_mrna,_clone_6b
 m76482_2855-3251,130-kd_pemphigus_vulgaris_antigen_mrna,_complete_cds
 s74683_848-1268,_adp-ribosyltransferase_[human,_skeletal_muscle,_mrna,_1334_nt]_
 u13369cds_1792-2248,ribosomal_dna_complete_repeating_unit/gb=u13369_/ntype=dna_/annot=cds
 all_x96584_1444-1961,mrna_for_nov_protein

35

Metagene 376

all_ac000061_18132-
 57268:in_ac000061cds#2_1270,_wugsc:h_133k23.1c_gene_extracted_frombac_clone_133k2

- ad000092_21426-21637:in_ad000092cds#1_3369-3688:in_all_ad000092_21396-21427,_hypotheticalserine-thre
af002224_24-373,angelman_syndrome_gene,_e6-
ap_ubiquitin_protein_ligase_3a_(ube3a)_mrna_from_promoter
- 5 d21851_3680-4148,mrna_for_kiaa0028_gene,_partial_cds_
hg3934-ht4204_at_hg3934-ht4204_g1_phase-specific_gene
hg4272-ht4542_at_hg4272-ht4542_hepatocyte_growth_factor_receptor_
hg4490-ht4876_f_at_hg4490-ht4876_proline-rich_protein_prb4,_allele_
hg846-ht846_at_hg846-ht846_cyclophilin-related_protein_
- 10 j03069mrna_2331-2907,mycl2_gene,_complete_cds_
j03634_1563-1815,erythroid_differentiation_protein_mrna_(edf),_complete_cds
j04101_861-1425,erythroblastosis_virus_oncogene_homolog(ets-1)_mrna,_complete_cds.
102840mrna_3224-3602:in_reversesequence,_3674-
3710,potassium_channel_kv2.1_mrna,_complete_cds
- 15 107540_721-1159,replication_factor_36-kda_subunit_mrna,_complete_cds
m21539_521-557,small_proline_rich_protein_(sprii)_mrna,_clone_1292_
m24248exon_201-220:not_in_gb_record,mlc-1v/sb_isoform_gene_
m25296_82-649,natriuretic_peptide_precursor_mrna,_complete_cds_
m37245cds_272-434:in_reversesequence,_113-353,ig_superfamily_cytotoxic_t-lymphocyte-
20 associated_prote
m60165mrna_571-1069,_hla-dqb1_gene_extracted_fromguanine_nucleotide-
binding_regulatory_protein_(go-a
all_m62628_1743-2182,alpha-1_ig_germline_c-region_membrane-coding_region,_3'_end_
m87499cds_586-880:in_reversesequence,_2927-3041,uracil-
- 25 dna_glycosylase_(ung)_gene,_complete_cds_
m95740exon#12_279-381,alpha-l-iduronidase_gene_
m99063_1942-2452,cytokeratinmrna,_complete_cds_
s70348_55-
367,_integrin_beta{alternatively_spliced,_clone_beta_3c}_[human,_erythroleukemia_cell_hel,
- 30 u00951_1325-1691,clone_a9a2br11_(cac)n/(gtg)n_repeat-containing_mrna_
u08377_2654-3134,homolog_of_drosophila_splicing_regulator_suppressor-of-white-
apricot_mrna,_complete
u09550_1597-2149,oviductal_glycoprotein_mrna,_complete_cds_
u11870mrna_1901-2411,interleukin-
- 35 8_receptor_type_a_(il8rba)_gene,_promoter_and_complete_cds_
u16261_1147-1657,mda-7_(mda-7)_mrna,_complete_cds
u18271exon#3_51-512,thymopoietin_(tμπο)_gene,thymopoietin_(tμπο)_gene
u19495_1634-2204,intercrine-alpha_(hirh)_mrna,_complete_cds
u26914_3113-3533,ras-responsive_element_binding_protein_(rreb-1)_mrna,_complete_cds

- u28150cds_281-
839,adrenoleukodystrophy_related_protein_(haldr)_gene,_partial_cds/gb=u28150/_ntype=dn
u36759_486-1016,pre-t_cell_receptor_alpha-type_chain_precursor,_mrna,_complete_cds_
u39905_2148-2670,vesicular_monoamine_transporter_vmat1_mrna,_complete_cds
- 5** u54804_2444-2912,has2_mrna,_complete_cds_
u56976_1664-2240,calmodulin_dependent_phosphodiesterase_pde1b1_mrna,_complete_cds
u61166_2652-3150,sh3_domain-containing_protein_sh3p17_mrna,_complete_cds_
u64197_250-658,chemokine_exodus_mrna,_complete_cds_
u66559_4812-5244,anaplastic_lymphoma_kinase_receptor_mrna,_complete_cds
- 10** all_u66726_2378-
2421,testis_specific_rna_binding_protein_(spgyla)_mrna,_complete_cds,testis_specific
u67733_3650-4178,cgmp-stimulated_3',5'-
cyclic_nucleotide_phosphodiesterase_pde2a3_(pde2a)_mrna,_co
x16260cds_2053-2485:in_reversesequence,_2508-2631,mrna_for_inter-alpha-
- 15** trypsin_inhibitor_subunit_3
all_x51801_1415-1824,op-1_mrna_for_osteogenic_protein
x53683mrna_377-638,lag-1_mrna
all_x56677_1103-1584,myod_mrna_
x74614exon#2_17-377:in_reversesequence,_1279-
- 20** 1387:not_in_gb_record,odf2_(allele_2)_gene_for_outer_de
x80590cds_653-1109,phkg1_mrna
x82634_1048-1378,partial_mrna_for_hair_keratin_acidic_3-ii_
y10256_2797-3247,mrna_for_serine/threonine_protein_kinase,_nik_
y11710mrna_2222-2642,mrna_for_extracellular_matrix_protein_collagen_type_xiv,_c-terminus
- 25** z48519exon#3_11-223,xg_gene_(clone_race5)/gb=z48519/_ntype=rna_
all_z50053_2518-3047,mrna_for_alpha2i-subunit_of_soluble_guanylyl_cyclase
z50194cds_664-856:in_reversesequence,_1345-1372,mrna_for_pq-rich_protein
all_z68193_17672-
20477,dna_sequence_from_cosmid_qc8b6,_on_chromosome_xq28,_containing_red_opsin_gene
- 30** z83745exon_49-367,dna_sequence_from_pac_453a3_contains_est_and_sts.

Metagene 302

- ab002332_5132-5666,mrna_for_kiaa0334_gene,_complete_cds/gb=ab002332/_ntype=rna_
35 k03008_cds1_at_k03008_k03008,not_in_gb_record,_gamma-g2-psi_gene_extracted_fromgamma-c-
crystallin_(g
107044_1420-1762,calcium/calmodulin-
dependent_protein_kinase_(camk)_isoform_b_mrna_sequence_
l36844mrna_292-808,(clone_p15ink4b/ha5)_cdk_inhibitory_protein_mrna,_complete_cds_

u35407mrna_77-

193,peroxisomal_targeting_signal_import_receptor_(pxr1)_gene,_allele_5,_partial_cds/gb
y07846exon#7_92-587,mrna_for_gar22_protein_
all_y09616_1443-1948,mrna_for_putative_carboxylesterase

5

Metagene 423

d38549_3838-4336,mrna_for_kiaa0068_gene,_partial_cds_

d63877_2386-2908,mrna_for_kiaa0241_gene,_partial_cds_

10 d86967_5483-5873,mrna_for_kiaa0212_gene,_complete_cds

hg4063-ht4333_s_at_hg4063-ht4333_transcription_factor_hbf-2

j03171_2250-2700,interferon-alpha_receptor_(huifn-alpha-rec)_mrna,_complete_cds

j04760mrna_233-791,slow-twitch_skeletal_troponin_i_(tnn1)_mrna,_complete_cds_

107956_2402-2930,1,4-alpha-glucan_branching_enzyme_(hgbe)_mrna,_complete_cds

15 135546mrna_1027-1543,gamma-glutamylcysteine_synthetase_light_subunit_mrna,_complete_cds_

m35128cds_1044-1320:in_reversesequence,_1936-

2038,muscarinic_acetylcholine_receptor_gene,_complete_c

m63582mrna_1062-1518,preprothyrotropin-releasing_hormone_gene

u05321mrna_3734-4220,x-linked_pest-containing_transporter_(xpct)_gene,_promoter_and

20 x13794mrna_713-1229,lactate_dehydrogenase_b_gene_exonand(ec_1.1.1.27)_(and_joined_cds)

x82224cds_733-1165:in_reversesequence,_1273-1303,mrna_for_glutamine_transaminase_k

Metagene 349

25 j02943mrna_869-1373,corticosteroid_binding_globulin_mrna,_complete_cds_

m96789_1026-1548,connexin_37_(gja4)_mrna,_complete_cds

z81326cds_913-1189:in_reversesequence,_1348-

1486,mrna_for_protease_inhibitor(pi12;_neuroserpin).

30 Metagene 26

d14134_1646-2192,mrna_for_rad51,_complete_cds

j03778_520-1075,microtubule-associated_protein_tau_mrna,_complete_cds

108096_314-794,cd27_ligand_mrna,_complete_cds

35 u17977_79-379,_hsu17977cdna_

u39196_2616-3084,clone_hgirk1_g-

protein_coupled_inwardly_rectifying_potassium_channel_mrna,_complete

u58090_1035-1605,hs-cul-4a_mrna,_partial_cds_

u94320_828-1392,neuropeptide_y5_receptor_(npyy5)_mrna,_complete_cds

- x00949cds_65-487,mrna_for_prepro-relaxin_h1/gb=x00949_/ntype=rna_
 x58822mrna_905-1422,ifn-omegagene_for_interferon-omega_1_
 x59841mrna_2006-2444,pbx3_mrna_
 x97230cds_782-1274:in_reversesequence,_1290-1353,mrna_for_nk_receptor,_clone_library_4m1#6
 5 x98001cds_572-932:in_reversesequence,_998-1064,mrna_for_geranylgeranyl_transferase_ii_

Metagene 192

- hg3730-ht4000_s_at_hg3730-ht4000_tyrosine_kinase_syk_
 10 l19401_3716-4220,myosin_i_homologue_(myh12)_mrna,_3'_end_of_cds
 m96740_2014-2476,nscl-2_gene_sequence
 all_s94421_33-496,_tcr_eta_#name?_cell_receptor_eta-exon_[human,_genomic,_806_nt]
 all_u27333_2701-
 2753,alpha_(1,3)_fucosyltransferase_(fut6)_mrna,_major_transcript_i,_complete_cds,al
 15 u33203_73-282,mdm2-e_(mdm2)_mrna,_complete_cds/gb=u33203_/ntype=rna
 u60975_6398-6824,hybrid_receptor_gp250_precursor_mrna,_complete_cds
 x03656mrna_971-1391,_g-csf_protein_gene_extracted_fromgene_for_granulocyte_colony-
 stimulating_factor
 all_x16281_402-898,mrna_for_zinc_finger_protein_(clone_431)
 20 x66922cds_362-728:in_reversesequence,_848-872,mrna_for_myo-insositol_monophosphatase
 x80763cds_202-528:in_reversesequence,_663-850,gene_for_5-ht2c_receptor
 x98307mrna_13-355,mrna_for_uv-b_repressed_sequence,_hur_7
 all_z11685_1974-2425,mrna_for_rna_helicase_
 z29077mrna#1_3-55,_un-named-transcript-
 25 l_fromcdc25_gene_promoter_region/gb=z29077_/ntype=dna_/annot=

Metagene 337

- d87469_8413-8899,mrna_for_kiaa0279_gene,_partial_cds_
 30 l21934_3401-3905,acyl_coenzyme_a:cholesterol_acyltransferase_mrna,_complete_cds
 s60415_2937-3333,_myasthenic_syndrome_antigen_b_[human,_fetal_brain,_mrna,_3477_nt]
 u09716_1621-2124,mannose-specific_lectin_(mr60)_mrna,_complete_cds_
 u48250_1490-2030,protein_kinase_c-binding_protein_rack17_mrna,_partial_cds_
 all_x94612_2745-3328,mrna_for_type_ii_cgmp-dependent_protein_kinase
 35 y11709mrna_169-709,mrna_for_extracellular_matrix_protein_collagen_type_xiv,_n-
 terminus/gb=y11709_/nt

Metagene 12

- d14823_851-1343,chimeric_mrna_derived_from_aml1_gene_and_mtg8(eto)_gene,_partial_sequence
d38076_322-700,mrna_for_ranbp1_(ran-binding_protein_1),_complete_cds_
d80004_6550-6898,mrna_for_kiaa0182_gene,_partial_cds_
d87075_5013-5469,mrna_for_kiaa0238_gene,_partial_cds_
5 d87673_960-1434,mrna_for_heat_shock_transcription_factor_4,_complete_cds_
d87716_2447-2942,mrna_for_kiaa0007_gene,_partial_cds_
hg2271-ht2367_at_hg2271-ht2367_profilaggrin
hg3039-ht3200_at_hg3039-ht3200_adp-ribosylation-like_factor
hg3636-ht3846_at_hg3636-ht3846_myosin_heavy_polypeptide_9,_non-muscle_
10 hg3884-ht4154_at_hg3884-ht4154_homeotic_protein_hpx-42_
j02783mrna_2075-2465,thyroid_hormone_binding_protein_(p55)_mrna,_complete_cds
j03824_756-1230,uroporphyrinogen_iii_synthase_mrna,_complete_cds_
l16782_1994-2522,putative_m_phase_phosphoprotein(mpp1)_mrna,_partial_cds
l18972cds_1821-2019:in_reversesequence,_2065-2305,anonymous_gene,_complete_cds
15 l19711_4952-5414,dystroglycan_(dag1)_mrna,_complete_cds
l34587_109-403,rna_polymerase_ii_elongation_factor_siii_p15_subunit_mrna,_complete_cds_
l37936_439-961,nuclear-encoded_mitochondrial_elongation_factor_ts_(ef-ts)_mrna,_3'_end_of_cds
l40407cds_696-882:in_reversesequence,_1060-
l264,thyroid_receptor_interactor_(trip9)_gene,_complete_c
20 l41067_3380-3884,nf-at4c_mrna,_complete_cds_
l76191mrna_3005-3521,interleukin-1_receptor-associated_kinase_(irak)_mrna,_complete_cds_
l77730exon_529-1009,a3_adenosine_receptor_(adora3)_gene_
all_m14158_1529-1794,_t-cell_receptor_beta-chain_j1.3_gene_extracted_fromt-
cell_receptor_germline_be
25 m19961_55-469,cytochrome_c_oxidase_subunit_vb_(coxvb)_mrna,_complete_cds_
m34338_626-1197,spermidine_synthase_mrna,_complete_cds_
m60047_641-1097,heparin_binding_protein_(hbp17)_mrna,_complete_cds_
m65199_735-1101,endothelin(et2)_mrna,_complete_cds
m86752_1512-2046,transformation-sensitive_protein_(ief_ssp_3521)_mrna,_complete_cds
30 s40719_2440-2964,_glial_fibrillary_acidic_protein_[human,_glioma_cell_line_u-
251_mg,_mrna,_3033_nt]
s66793_697-1219,_x-arrestin=s-antigen_homolog_[human,_retina,_mrna,_1314_nt]
u05340_1103-1571,p55cdc_mrna,_complete_cds_
u07424_1266-1764,putative_trna_synthetase-like_protein_mrna,_complete_cds
35 u47621_1758-2286,nucleolar_autoantigen_no55_mrna,_complete_cds_
u55206_790-1222:not_in_gb_record,gamma-glutamyl_hydrolase_(hgh)_mrna,_complete_cds
u61263_1603-2077,acetolactate_synthase_homolog_mrna,_complete_cds
u62962_927-1347,int-6_mrna,_complete_cds_

- u68566_638-1124,hs1_binding_protein_hax-
 l_mrna,nuclear_gene_encoding_mitochondrial_protein,_complet
 u70735_507-1005,34_kda_mov34_isologue_mrna,_complete_cds/gb=u70735_/ntype=rna
 u79270_774-1176,clone_23707_mrna,_partial_cds
- 5** u85943_1527-1680,mrna-associated_protein_mrnp41_mrna,_complete_cds/gb=u85943_/ntype=rna
 x00368mrna_7-52,_exonfromprolactin_gene_5'_region/gb=x00368_/ntype=dna_/annot=mrna_
 x12794cds_864-1176:in_reversesequence,_1905-2139,v-erba_related_ear-2_gene_
 x13482cds_490-712:in_reversesequence,_870-942,mrna_for_u2_snrnp-specific_a'_protein_
 x79781cds_276-546:in_reversesequence,_675-681,ray_mrna
- 10** x92744cds_6-174:in_reversesequence,_61-271,mrna_for_hbd-1_protein_
 all_y00285_8502-8980,mrna_for_insuline-like_growth_factor_ii_receptor
- Metagene 202
- 15** d50915_7282-7750,mrna_for_kiaa0125_gene,_complete_cds
 hg2415-ht2511_at_hg2415-ht2511_transcription_factor_e2f-2
 hg3872-ht4142_at_hg3872-ht4142_immunoglobulin_gamma_heavy_chain,_v(6)djc_regions_
 hg4460-ht4729_at_hg4460-ht4729_immunoglobulin_heavy_chain,_vdjc_regions
 hg4462-ht4731_at_hg4462-ht4731_immunoglobulin_heavy_chain,_vdjc_regions
- 20** j00210mrna_635-735,_ifna_gene_(interferon_alpha-d)_extracted_fromleukocyte_interferon_(ifn-
 alpha)_al
 j03068_2794-3286,dnf1552_(lung)_mrna,_complete_cds_
 l10343cds_2-308:in_reversesequence,_476-2076,_huma_elafin_gene,_complete_cds_
 l29217mrna_1299-1683,clk3_mrna,_complete_cds
- 25** l34035_1405-1813,nadp-dependent_malic_enzyme_mrna,_complete_cds/gb=l34035_/ntype=rna
 l38025exon#1-3_30-106:not_in_gb_record,ciliary_neurotrophic_factor_alpha_receptor_gene_
 all_m21005_1803-2524,migration_inhibitory_factor-related_protein(mrp8)_gene,_complete_cds_
 all_u05259_4343-4740:not_in_gb_record,mb-1_gene,_complete_cds
 u16812cds_274-601:in_reversesequence,_3897-4028,bak-2_gene,_complete_cds
- 30** u18237_231-759,atp-binding_cassette_protein_mrna_06b09_clone,_partial_cds
 u39817_3917-4373,bloom_syndrome_protein(blm)_mrna,_complete_cds_
 u40380_961-1027,presenilin_i-374_(ad3-212)_mrna,_complete_cds
 u58837_3430-4003,cgmp-gated_cation_channel_beta_subunit(cncg2)_mrna,_complete_cds_
 all_x64878_3508-3965,mrna_for_oxytocin_receptor
- 35** x82240mrna_723-
 l251,_tcl1_gene_(t_cell_leukemia)_extracted_frommrna_for_tcell_leukemia/lymphoma_1_
 x83412cds_225-412:in_reversesequence,_507-539,b1_mrna_for_mucin
 z00010exon#2_75-
 l58,germ_line_pseudogene_for_immunoglobulin_kappa_light_chain_leader_peptide_and_var

z29574exon#3_1-373:in_reversesequence,_3141:not_in_gb_record,gene_for_bcma_peptide
z49194exon#5_1962-2256,mrna_for_oct-binding_factor_

Metagene 278

5

d00654exon_127-196:not_in_gb_record,enteric_smooth_muscle_gamma-actin_gene,_5'_flank_and
d42085_2200-2572,mrna_for_kiaa0095_gene,_complete_cds
d76435_2639-3065,mrna_for_zic_protein,_complete_cds
m37712mrna_3280-

- 10 3760,p58/gta_(galactosyltransferase_associated_protein_kinase)_mrna,_complete_cds
u06681_1348-1774,clone_cca12_mrna_containing_cca_trinucleotide_repeat
u15552_1831-2311,acidic_82_kda_protein_mrna,_complete_cds
u66198_215-713,fibroblast_growth_factor_homologous_factor(fhf-
2)_mrna,_complete_cds/gb=u66198_/ntype
- 15 all_x13293_2056-2549,mrna_for_b-myb_gene_
x13334cds_659-1049:in_reversesequence,_1234,cd14_mrna_for_myelid_cell-specific_leucine-
rich_glycopro
all_x87159_2076-2527,mrna_for_beta_subunit_of_epithelial_amiloride-sensitive_sodium_channel

20 Metagene 97

l11244mrna_545-1049,(clone_a12)_c4b-binding_protein_beta-chain_mrna,_complete_cds
all_m29458_440-1017,carbonic_anhydrase_iii_gene
m57731mrna_617-1032,gro-beta_mrna,_complete_cds
25 m90657_581-1163,tumor_antigen_(l6)_mrna,_complete_cds

Metagene 400

- hg3085-ht3254_s_at_hg3085-ht3254_phosphodiesterase_
30 all_m60748_1209-1615,histone_h1_(h1f4)_gene,_complete_cds
m63623_2390-2900,oligodendrocyte-myelin_glycoprotein_(omgp)_mrna,_complete_cds_
all_x74837_2811-3196,humm9_mrna
all_x78578_3781-4268,ppp1r3_mrna_for_protein_phosphatase_1,_glycogen-
binding_regulatory_subunit

35

Metagene 284

k03021exon#14_343-853,tissue_plasminogen_activator_(plat)_gene,_complete_cds_
all_m55998_2-265,alpha-1_collagen_type_i_gene,_3'_end

- m88461_993-1538,neuropeptide_y_peptide_yy_receptor_mrna,_complete_cds
u32907_1401-1923,p37nb_mrna,_complete_cds
u62325_2343-2805,fe65-like_protein_(hfe65l)_mrna,_partial_cds
all_x52947_2497-2942,mrna_for_cardiac_gap_junction_protein_
- 5 all_x54667_676-706,mrna_for_cystatin_s,mrna_for_cystatin_s
all_x57351_294-891,1-8d_gene_from_interferon-inducible_gene_family,1-
8d_gene_from_interferon-inducib
all_x69111_662-1185,hlh_1r2l_mrna_for_helix-loop-helix_protein_
all_z29083_1644-2023,5t4_gene_for_5t4_oncofetal_antigen
- 10 Metagene 483
- m60094mrna_196-640,testicular_h1_histone_(h1)_gene,_complete_cds
x00948cds_65-503,mrna_for_prepro-relaxin_h2/gb=x00948_/ntype=ma_
- 15 Metagene 307
- d84454_2031-2577,mrna_for_udp-galactose_translocator,_complete_cds_
l09708mrna_2255-2795,complement_component(c2)_gene_allele_b_
20 u41315mrna#1_3083-3653,ring_zinc-finger_protein_(znf127-xp)_gene_and_5'_flanking_sequence_
x58529mrna_1754-
2276,rearranged_immunoglobulin_mrna_for_mu_heavy_chain_enhancer_and_constant_region
x72475cds_111-343,mrna_for_rearranged_ig_kappa_light_chain_variable_region_(i.114)_
- 25 Metagene 260
- d29833_194-680,mrna_for_salivary_proline_rich_peptide_p-b,_complete_cds
d87433_6272-6752,mrna_for_kiaa0246_gene,_partial_cds_
u31384_57-591,g_protein_gamma-11_subunit_mrna,_complete_cds
30 u62801_935-1481,protease_m_mrna,_complete_cds
- Metagene 126
- d38437_37-604,dna_mismatch_repair_mrna_
35 hg1604-ht1604_at_hg1604-ht1604_adrenergic_beta_receptor_kinase_2_
hg651-ht5209_s_at_hg651-ht5209_adducin_alpha_subunit_altsplice_3_
j03915_1313-1721,chromogranin_a_mrna,_complete_cds_
k03183cds_2-326,chorionic_gonadotropin_beta_subunit_gene_

- s75256_32-
 446_hnl=neutrophil_lipocalin [human_ovarian_cancer_cell_line_oc6_mrna_partial_534_nt]/
 u08989_1383-1857,glutamate_transporter_mrna_complete_cds
 u17280_1004-1562,steroidogenic_acute_regulatory_protein_star_mrna_complete_cds
5 all_u21689_2955-3116,glutathione_s-transferase-plc_gene_complete_cds
 u31973_2396-2914,phosphodiesterase_a'_subunit_pde6c_mrna_complete_cds_
 u33822_2053-2563,tax1-binding_protein_txbp181_mrna_complete_cds_
 u40372_1565-2021,3',5'_cyclic_nucleotide_phosphodiesterase_hspdelc3a_mrna_partial_cds
 all_u73167_4971-
10 35099_h_luca14.2a_gene_extracted_fromcosmid_luca14_h_luca14.2a_gene_extracted_from
 all_x07496_2066-2268,tangier_apoa-i_gene_
 x58964cds_2500-2914,gene_for_mhc_ii_regulatory_factor_rfx
 x85178_267-627,surf-5_mrna_
 x98258cds_481-619:in_reversesequence_625-829,mrna_for_m-phase_phosphoprotein_mpp9
15 x99479_f_at_x99479_x99479_40_in_x99479cds_951-1047:30_in_reversesequence_1065-
 1461,mrna_for_nk_re

Metagene 16

- 20** k01396mrna_769-1201,alpha-1-antitrypsin_mrna_complete_cds_
 m80482_3922-4324,subtilisin-like_protein_pace4_mrna_complete_cds
 all_x15422_3003-3550,mrna_for_mannose-binding_protein_c
 all_x64810_4454-5019,encoding_pc1/pc3
 all_x81438_2665-3206,mrna_for_amphiphysin
25 z12830cds_344-764:in_reversesequence_943,mrna_for_ssr_alpha_subunit
 all_z22534_2132-2637,alk-2_mrna

Metagene 279

- 30** all_110381_2086-2579,2-5a-dependent_mase_gene_complete_cds_
 m57703_129-629,melanin_concentrating_hormone_mch_mrna_complete_cds
 u66359_1205-1583,t54_protein_t54_mrna_complete_cds

Metagene 228

- 35**
 d26535exon#15_940-1455,gene_for_dihydrolipoamide_succinyltransferase_complete_cds_exon_1-
 15)_
 d78577exon_853-1391,dna_for_14-3-3_protein_eta_chain_
 d86980_4616-5192,mrna_for_kiaa0227_gene_partial_cds_

- hg2743-ht3926_s_at_hg2743-ht3926_caldesmon_1,_altsplice_6,_non-muscle
hg4178-ht4448_at_hg4178-ht4448_af-17_
j03060exon#11_168-666,glucocerebrosidase_(gcb)_gene
j03077_2159-2692,co-beta_glucosidase_(proactivator)_mrna,_complete_cds_
5 112168_2032-2476,adenylyl_cyclase-associated_protein_(cap)_mrna,_complete_cds_
m15395_2621-2736,leukocyte_adhesion_protein_(lfa-1/mac-1/p150,95_family)_beta_subunit_mrna_
m22898mrna_2042-2600,phosphoprotein_p53_gene_
m33308_4519-5071,vinculin_mrna,_complete_cds_
m63573_370-802,secreted_cyclophilin-like_protein_(scylp)_mrna,_complete_cds_
10 m80563_133-523,capl_protein_mrna,_complete_cds_
m94345_752-1160,macrophage_capping_protein_mrna,_complete_cds_
s81439_2658-
3186_cgr_alpha=early_growth_response_gene_alpha [human, prostate, mrna, 3228 nt]
all_u02020_1985-2352,pre-b_cell_enhancing_factor_(pbef)_mrna,_complete_cds_
15 u22055_2879-3455,100_kda_coactivator_mrna,_complete_cds
u25165_1579-2083,fragile_x_mental_retardation_protein homolog_fxrl_mrna,_complete_cds
u56637_1987-2323,capping_protein_alpha_subunit_isoformmrna,_complete_cds
u57721_1126-1588,l-kynurenine_hydrolase_mrna,_complete_cds_
all_u90546_1365,butyrophilin_(btf4)_mrna,_complete_cds,butyrophilin_(btf4)_mrna,_complete_cds
20 _
x12447mrna#13_1-241: not_in_gb_record,aldolase_a_gene_(ec_4.1.2.13)
x62320cds_1527-1755:in_reversesequence,_1825-2095,mrna_for_epithelinand_2
all_x74262_1725-2278,rbap48_mrna_encoding_retinoblastoma_binding_protein_
all_x76105_1661-2208,dap-1_mrna
25 all_y00281_1856-2319,mrna_for_ribophorin_i_

Metagene 142

d43772_1616-2168,squamous_cell_carcinoma_of_esophagus_mrna_for_grb-
30 7_sh2_domain_protein,_complete_cd
d50920_2969-3419,mrna_for_kiaa0130_gene,_complete_cds
l09229_2642-3099,long-chain_acyl-coenzyme_a_synthetase_(fac11)_mrna,_complete_cds
l11370_3486-4038,protocadherin_42_mrna,_complete_cds_for_abbreviated_pc42
all_m12036_1553-1732,tyrosine_kinase-type_receptor_(her2)_gene,_partial_cds
35 m24899_1750-2284,triiodothyronine_(ear7)_mrna,_complete_cds
m80783_3001-3451,b12_protein_mrna,_complete_cds
u47634_1341-1623,beta-tubulin_iii_isotype_(beta-3)_mrna,_complete_cds
u90914_1369-1795,clone_23587_mrna_sequence_
all_x03363_3873-4408,c-erb-b-2_mrna

x63527cds_99-549:in_reversesequence,_637-655,mrna_for_ribosomal_protein_119_

all_x65233_1966-2429,mrna_for_zinc-finger_protein_(znfpt17)

all_x80198_1398-1939,mln64_mrna

all_x80199_3718-4223,mln51_mrna

5 all_x80692_3409-3878,erk3_mrna_

y09836_999-1335,mrna_for_3'_utr_of_unknown_protein_

z38026cds_63-483:in_reversesequence,_536-542,mrna_for_fall-39_peptide_antibiotic

Metagene 450

10

hg3548-ht3749_at_hg3548-ht3749_ccaat_displacement_protein_cut_homolog_altsplice_1

l27559utr#1_111-166,insulin-like_growth_factor_binding_protein(igfbp5)_gene_

m62782_392-958,insulin-like_growth_factor_binding_protein(igfbp-5)_mrna_complete_cds

u51336_2520-3024,inositol_1,3,4-trisphosphate_5/6-kinase_mrna_complete_cds

15 x16665cds_871-1039:in_reversesequence,_1135-1369,hox2h_mrna_from_the_hox2_locus_

all_z48605_61-326,partial_mrna_for_pyrophosphatase/gb=z48605/_ntype=rna

Metagene 251

20 j02874_63-573,adipocyte_lipid-binding_protein_complete_cds

m15465_1955-2384,pyruvate_kinase_type_1_mrna_complete_cds_

u25128_2100-2598,pth2_parathyroid_hormone_receptor_mrna_complete_cds

u66616_3427-3979,swi/snf_complex_170_kda_subunit_(baf170)_mrna_complete_cds_

x82539mrna_1313-1823,mrna_for_mage-xp

25 y08417_1043-1558,mrna_for_nicotinic_acetylcholine_receptor_beta3_subunit_precursor_

all_z11850_55-416,mrna_for_somatotropin_receptor_5'_upstream_region/gb=z11850/_ntype=rna_

Metagene 9

30 hg371-ht26388_at_hg371-ht26388_mucin_1_epithelial_altsplice_9

j05582mrna_3910-4100,pancreatic_mucin_mrna_complete_cds_

l24893cds_218-679,myelin_protein_zero_(po)_gene

all_m30838_4028-4631,pulmonary_surfactant_apoprotein_(psap)_gene_complete_cds_

z48633mrna_1624-2020,mrna_for_retrotransposon

35

Metagene 401

d42055_5178-5718,mrna_for_kiaa0093_gene_partial_cds_

hg3740-ht4010_at_hg3740-ht4010_basic_transcription_factor_2_34_kda_subunit

- 115702_1778-2279,complement_factor_b_mrna,_complete_cds
 l34673mrna_2853-3381,atpase,_dna-binding_protein_(hip116)_mrna,_3'_end_
 m11717mrna_2135-2393,heat_shock_protein_(hsp_70)_gene,_complete_cds_
 m93056_859-1273,monocyte/neutrophil_elastase_inhibitor_mrna_sequence
 5 u00957_1638-2136,clone_kdb1.2_(cac)n/(gtg)n_repeat-containing_mrna_
 u09759_1308-1830,protein_kinase_(jnk2)_mrna,_complete_cds
 u48736_1195-1693,serine/threonine-protein_kinase_prp4h_(prp4h)_mrna,_complete_cds
 v00533mrna_391-915,_ifna_gene_(interferon_alpha-
 h2)_extracted_fromgene_for_leukocyte_(alpha)_interfe
 10 x99920cds_6-198:in_reversesequence,_31-403,mrna_for_s100_calcium-binding_protein_a13

Metagene 39

- d26579_2683-3205,mrna_for_transmembrane_protein,_complete_cds
 15 hg2663-ht2759_at_hg2663-ht2759_homeotic_protein_emx2_
 l06797_1041-1599,(clone_15)_orphan_g_protein-coupled_receptor_mrna,_complete_cds_
 l08177_1042-1606,ebv_induced_g-protein_coupled_receptor_(ebi2)_mrna,_complete_cds
 m30773_1983-2499,calcineurin_b_mrna,_complete_cds
 u20758mrna_885-1437,osteopontin_gene,_complete_cds
 20 all_x17042_689-1158,mrna_for_hematopoietic_proteoglycan_core_protein

Metagene 274

- af015910_41-433,unknown_protein_mrna,_partial_cds/gb=af015910_/ntype=rna
 25 l13800mrna_4-397,liver_expressed_protein_gene,_3'_end/gb=l13800_/ntype=rna
 l14269_1369-1729,synaptic_vesicle_amine_transporter_(svat)_mrna,_complete_cds_
 m74447mrna_2012-2510,psf-2_mrna,_complete_cds
 u10693exon#2_1196-1553,mage-8_antigen_(mage8)_gene,_complete_cds_
 u11821_363-907,fas_ligand_(fasl)_mrna,_complete_cds
 30 x51985cds_1083-1479:in_reversesequence,_1787-1829,lag-3_mrna_for_cd4-
 related_protein_involved_in_lym
 x63454cds_327-567:in_reversesequence,_659-719,hst-2_(fgf-6)_mrna
 y08564cds_1238-1688,galnac-t4_gene/gb=y08564_/ntype=dna_/annot=cds_

35 Metagene 469

- ab002380_5644-6142,mrna_for_kiaa0382_gene,_partial_cds/gb=ab002380_/ntype=rna
 ab003103_2965-3463,mrna_for_proteasome_subunit_p55,_complete_cds_

- af007875_501-
 1029,dolichol_monophosphate_mannose_synthase_(dpm1)_mrna,_partial_cds/gb=af007875/_ntyp
 all_d00596_15645-16192,thymidylate_syntase_(ec_2.1.1.45)_gene,_complete_cds
 d10522_2000-2546,mrna_for_80k-l_protein,_complete_cds
5. d11094_973-1345,mrna_for_mss1,_complete_cds
 d13627_1310-1778,mrna_for_kiaa0002_gene,_complete_cds
 d13641_2748-3216,mrna_for_kiaa0016_gene,_complete_cds
 d26069_5879-6455,mrna_for_kiaa0041_gene,_partial_cds_
 d43951_4874-5264,mrna_for_kiaa0099_gene,_complete_cds
- 10 d49493exon#3_403-811,gene_forbone_morphogenetic_protein-3b
 d49738_456-990,cytoskeleton_associated_protein_(cg22)_mrna,_complete_cds_
 d78132_373-907,mrna_for_ras_homologue_enriched_in_brain_(rheb)_gene,_ras-
 related_gtp_binding_protein
 d86956_3139-3589,mrna_for_kiaa0201_gene,_complete_cds
- 15 d87127_2088-2448,mrna_for_translocation_protein-1,_complete_cds
 d87684_3222-3696,mrna_for_kiaa0242_gene,_partial_cds_
 j03473mrna_3212-3752,poly(adp-ribose)_synthetase_mrna,_complete_cds
 l40357mrna_7-463,thyroid_receptor_interactor_(trip7)_mrna,_3'_end_of_cds
 l41887mrna#1_1773-2277,splicing_factor_arginine/serine-rich(sfrs7)_gene,_complete_cds
- 20 l43631_2189-2753,scaffold_attachment_factor_(saf-b)_gene,_partial_cds_
 m11353_707-1226,h3.3_histone_c_mrna,_complete_cds
 m14764mrna_2785-3337,nerve_growth_factor_receptor_mrna,_complete_cds_
 m93425_2577-3111,protein_tyrosine_phosphatase_(ptp-pest)_mrna,_complete_cds
 u14575_1842-2328,(ard-1)_mrna,_complete_cds
- 25 u28042_2726-3104,dead_box_rna_helicase-like_protein_mrna,_complete_cds_
 u31814_1366-1876,transcriptional_regulator_homolog_rpd3_mrna,_complete_cds_
 u34252_2177-2579,gamma-aminobutyraldehyde_dehydrogenase_mrna,_complete_cds_
 u37547_2931-3477,iap_homolog_b_(mihb)_mrna,_complete_cds_
 u41815_3037-3559,nucleoporin_98_(nup98)_mrna,_complete_cds_
 u49844_7699-8095,frap-related_protein_(frp1)_mrna,_complete_cds
- 30 u50534_10101-10671,brca2_region,_mrna_sequence_cg003_
 u59863_1541-2039,traf-interacting_protein_i-traf_mrna,_complete_cds
 u61234_986-1490,tubulin-folding_cofactor_c_mrna,_complete_cds
 u73737mrna_4359-4785,hmsh6_gene,_5'_utr_and
- 35 u78575_3124-3634,68_kda_type_i_phosphatidylinositol-4-phosphate_5-
 kinase_alpha_mrna_clone_pip5kia1,
 u79291_756-1287,clone_23721_mrna_sequence
 all_x65488_2664-3169,u21.1_mrna

y14140exon_13-

185,g_protein_gene_encoding_betasubunit_exonand_promoter/gb=y14140_/ntype=dna_/annot=e
all_z29066_1451-2035,nek2_mrna_for_protein_kinase

5 Metagene 244

all_m55419_2275-2470,amelogenin_(amely)_gene,_3'_end_of_cds
s41458_3026-3200,_rod_cgmp_phosphodiesterase_beta-subunit_[human,_mrna,_3231_nt]
u11036_121-553,ibd1_mrna,_partial_cds/gb=u11036_/ntype=rna_

10 all_z37987_2052-2198,mrna_for_mxr7_

Metagene 233

m24283mrna_2420-2954,major_group_rhinovirus_receptor_(hrv)_mrna,_complete_cds
15 s62027_21-320,_transducin_gamma_subunit_[human,_mrna,_408_nt]
u37546_2477-3012,iap_homolog_c_(mihc)_mrna,_complete_cds_
u46569mrna_1025-1241:in_reversesequence,_300-498,aquaporin-5_(aqp5)_gene

Metagene 8

20

all_d00003_1681-1721,liver_cytochrome_p-450_mrna,_complete_cds,liver_cytochrome_p-
450_mrna,_complete
d17408_906-1481,mrna_for_calponin,_complete_cds
d49490_1092-1644,mrna_for_protein_disulfide_isomerase-related_protein_(pdir),_complete_cds_

25 d64053_3337-3467,mrna_for_protein-tyrosine_phosphatase_

d70830_1610-2018,mrna_for_doc2_beta,_complete_cds
hg174-ht174_at_hg174-ht174_desmoplakin_i
hg2147-ht2217_at_hg2147-ht2217_mucin_3,_intestinal_
hg3502-ht3696_at_hg3502-ht3696_homeotic_protein_hox5.4_

30 hg363-ht363_at_hg363-ht363_epidermal_growth_factor_receptor-related_protein

hg37-ht37_at_hg37-ht37_iron-responsive_element-binding_protein_
j05158mrna_2315-2825,carboxypeptidase_n_mrna,_3'_end_
all_j05412_3866-4062:in_j05412cds_411-439,regenerating_protein_(reg)_gene,_complete_cds_
k03207mrna_286-748:in_reversesequence,_772-848,prb4_locus_salivary_proline-

35 rich_protein_mrna,_comple

l02648_1312-1852,(clone_v6)_transcobalamin_ii_(tcn2)_mrna,_complete_cds_
l10377_879-1441,(clone_ctg-b37)_mrna_sequence
l13266_4056-4630,n-methyl-d-aspartate_receptor_(nr1-1)_mrna,_complete_cds_
l16464_440-752,ets_oncogene_(pep1)_mrna,_complete_cds

- l28175_1375-1933,prostaglandin_e2_receptor_ep2_subtype_mrna_complete_cds_
 l31584exon_1488-1986,g_protein-coupled_receptor_(ebi_1)_gene_
 m19878cds_3-
 125:in_reversesequence,_1964,calbindin_27_gene_exonsand_2_and_alu_repeat/gb=m19878_/nt
- 5 m23197_848-1388,differentiation_antigen_(cd33)_mrna_complete_cds
 m26657_1861-2430,testicular_angiotensin_converting_enzyme_mrna_complete_cds_
 m27318_365-878,interferon_(ifn-alpha-m1)_mrna_complete_cds
 all_m28439_261-360,keratin_typegene
 m30625_1154-1554,dopamine_d2_receptor_mrna_complete_cds
- 10 m35531_2832-3318,gdp-l-fucose:beta-d-galactoside_2-alpha-l-
 fucosyltransferase_mrna_complete_cds_
 m55621_2074-2452,n-acetylglucosaminyltransferase_i_(glcnac-ti)_mrna_complete_cds
 m58600mrna_1634-2168,heparin_cofactor_ii_(hcf2)_gene_exonsthrough_5_
 all_m60331_669-1094:in_m60331cds_116,protaminegene_complete_cds_
 15 m62783_3069-3453,alpha-n-acetylgalactosaminidase_mrna_complete_cds
 m64930_2982-3366,protein_phosphatase_2a_beta_subunit_mrna_complete_cds
 m68907_2-187,tachykinin-a_(gamma-ppt-a)_gene_partial_cds/gb=m68907_/ntype=rna_
 m83181cds_918-1206:in_reversesequence,_1639-1867,serotonin_receptor_gene_complete_cds_
 s78723mrna#1_565-991,_5-ht2ar=serotonin_5-
 20 ht2a_receptor_{promoter}_{human_genomic,_1678_nt}
 s80905_f_at_s80905_s80905_4040_in_s80905cds_17-
 1067,_prb2_(prb2l_con1+)=con1_{exon_3}_{human_perip
 s82075_115-283,_pa4=candidate_oncogene_{3'_region}_{human_hen-16,_hen-
 16t_transformed_endocervical_
 25 s83308_920-1400,_sox5=sry-
 related_hmg_box_gene_{alternatively_spliced}_{human_testis_mrna,_1473_nt
 u02566_2456-2990,receptor_tyrosine_kinase_tif_mrna_partial_cds
 u09117_2164-2536,phospholipase_c_deltamrna_complete_cds
 u10099_938-1435,pom-zp3_mrna_complete_cds_
 30 u11791_662-1160,cyclin_h_mrna_complete_cds
 u25041_at_u25041_u25041,not_in_gb_record,5c5_mrna_putative_complete_cds
 u27699_2929-3349,pephbgt-1_betaine-gaba_transporter_mrna_complete_cds_
 u31216_3168-3641,metabotropic_glutamate_receptorbeta_(mglur1beta)_mrna_complete_cds
 all_u33447_1311-1888,putative_g-protein-coupled_receptor_(gpr17)_gene_complete_cds
 35 u40279cds_70-574,beta-2_integrin_alphad_subunit_(itgad)_gene_exons_25-
 30,_and_partial_cds/gb=u40279
 u46752_1476-1872,phosphotyrosine_independent_ligand_p62b_b-
 cell_isoform_for_the_lck_sh2_domain_mrna,

- u47334_7-307,gamma_aminobutyric_acid_receptor_beta4_subunit-
like_mrna,_partial_cds/gb=u47334_/ntype=
u57650_4714-5224,sh2-containing_inositol_5-phosphatase_(hship)_mrna,_complete_cds
u77975_1042-1420,hepatocyte_nuclear_factor(hnf-6)_mrna,_partial_cds_
- 5 u79725_2240-2744,a33_antigen_precursor_mrna,_complete_cds
all_x02958_1064-1245,interferon_alpha_gene_ifn-alpha_6_
all_x13444_852-1357,mrna_for_cd8_beta-chain_glycoprotein_(cd8_beta.1)
x56687cds_1698-2154:in_reversesequence,_2348,mrna_for_autoantigen_nor-90
x57110mrna_2510-2998,mrna_for_c-cbl_proto-oncogene.
- 10 all_x60299_3486-4065,kalig-1_mrna_for_neural_cell_adhesion_and_axonal_path-
finding_molecule_homologu
x70083mrna_166-460,abp-280-like_mrna_for_filamin_(695_bps)/gb=x70083_/ntype=rna
x76132mrna_4097-4583,dec_mrna
x79510cds_3165-3459:in_reversesequence,_3839-3971,mrna_for_protein-tyrosine-phosphatase_d1
- 15 all_x80026_1785-2363,b-cam_mrna
all_x81882_2153-2682,mrna_for_for_vasopressin_activated_calcium_mobilizing_receptor-
like_protein_
x82324cds_866-1055:in_reversesequence,_1096-1450,brainmrna_
x82877cds_1533-1809:in_reversesequence,_3974-4118,na+-d-glucose_cotransport_regulator_gene
- 20 x86371cds_2629-3129,mrna_for_tumour_suppressor_protein,_hugl_
x91348mrna_893-1211,predicted_non_coding_cdna_(dgcr5)
y10936_637-1027,mrna_for_hypothetical_protein_downstream_of_dmpk_and_dmahp_
y13153_1404-1950,mrna_for_kynurenine_3-monooxygenase/gb=y13153_/ntype=rna_
all_z80787_563-700,h4/j_gene.
- 25 Metagene 348
- ab005535_1056-1635,mrna_for_clock,_partial_cds/gb=ab005535_/ntype=rna_
ad000684cds#1_934-1252:in_reversesequence,_16809-17037,_lisch7_gene_(liver-specific_bhlh-
- 30 zip_transcr
d26068_2056-2398,mrna_for_kiaa0038_gene,_partial_cds_
d26362_2475-2985,mrna_for_kiaa0043_gene,_complete_cds
d26561cds#4_3-
237:in_reversesequence,_4010:not_in_gb_record,_orf_for_l1_protein_gene_extracted_fromp
- 35 d29013_664-1234,mrna_for_dna_polymerase_beta,_complete_cds_
d31886_3076-3592,mrna_for_kiaa0066_gene,_partial_cds_
d38293_2926-3400,mrna_for_clathrin-like_protein,_complete_cds
d44466_2575-3115,mrna_for_proteasome_subunit_p112,_complete_cds
d50525mrna_3316-3886,mrna_for_ti-227h/gb=d50525_/ntype=rna_

- d63486_5877-6267,mrna_for_kiaa0152_gene,_complete_cds
d63881_3840-4278,mrna_for_kiaa0160_gene,_partial_cds_
d64154_786-1254,mrna_for_mr_110,000_antigen,_complete_cds
d78156cds_888-1140:in_reversesequence,_2058-
- 5 2292,mrna_for_rasgtpase_activating_protein,_partial_cds_
d80002_4430-4938,mrna_for_kiaa0180_gene,_partial_cds_
d82348_1479-1947,mrna_for_5-aminoimidazole-4-carboxamide-1-beta-d-
ribonucleoti_de_transformylase/ino
d85758_214-748,mrna_forprotein_homologous_to_droer_protein,_complete_cds
- 10 d86979_5308-5842,mrna_for_kiaa0226_gene,_complete_cds
d90084exon#10-8_36-41,pyruvate_dehydrogenase_(ec_1.2.4.1)_alpha_subunit_gene,_exons_11-jan_
hg110-ht110_s_at_hg110-ht110_heterogeneous_nuclear_ribonucleoprotein_a/b_
hg1869-ht1904_at_hg1869-ht1904_male_enhanced_antigen_
hg2274-ht2370_at_hg2274-ht2370_rna_polymerase_ii,_14.5_kda_subunit_
15 hg662-ht662_at_hg662-ht662_epstein-barr_virus_small_rna-associated_protein_
j04611_1533-2061,lupus_p70_(ku)_autoantigen_protein_mrna,_complete_cds_
k03515mrna_1392-1938,neuroleukin_mrna,_complete_cds
102426_1040-1556,26s_protease_(s4)_regulatory_subunit_mrna,_complete_cds_
116896_1717-2257,zinc_finger_protein_mrna,_complete_cds
- 20 120773_1025-1517,mrna_in_the_region_near_the_btk_gene_involved_in_a-gamma-globulinemia
125851_3332-3812,integrin_alpha_e_mrna,_complete_cds
137127mrna_73-553,(clone_mf.18)_rna_polymerase_ii_mrna,_complete_cds
m24398mrna_522-970,parathymosin_mrna,_complete_cds_
m25077mrna_1310-1712:in_reversesequence,_1760-1826,ss-
- 25 a/ro_ribonucleoprotein_autoantigen_60_kd_subun
m58028mrna_2999-3401,ubiquitin-activating_enzyme_e1_(ube1)_mrna,_complete_cds
m84332exon#4_764-1226:in_reversesequence,_2337-2397,adp-ribosylation_factorgene
u12465_19-367,ribosomal_protein_l35_mrna,_complete_cds_
u21090_1109-1541,dna_polymerase_delta_small_subunit_mrna,_complete_cds_
30 u56418_785-1313,lysophosphatidic_acid_acyltransferase-beta_mrna,_complete_cds
u79716_11015-11537,reelin_(reln)_mrna,_complete_cds
u81554_431-839,cam_kinase_ii_isoform_mrna,_complete_cds/gb=u81554_/ntype=rna_
u86602_772-1240,nucleolar_protein_p40_mrna,_complete_cds_
u90426_959-1439,nuclear_rna_helicase,_complete_cds_
35 u90915_122-674,clone_23600_cytochrome_c_oxidase_subunit_iv_mrna,_complete_cds
all_x14346_1969-2534,mrna_for_eosinophil_peroxidase
x52851mrna_152-
692,_peptidylprolyl_isomerase_gene_extracted_fromcyclophilin_gene_for_cyclophilin_(ec
x58401mrna_356-900,12-9_transcript_of_unrearranged_immunoglobulin_v(h)5_pseudogene.

- x59543mrna_2500-3016,mrna_for_m1_subunit_of_ribonucleotide_reductase_
 all_x60486_394-737,h4/g_gene_for_h4_histone
 all_x69141_1444-1997,mrna_for_squalene_synthase
 z21507cds_424-802:in_reversesequence,_901-955,ef-1delta_gene_encodingelongation_factor-1-
5 delta_
 Metagene 220
- d13631_2795-3373,mrna_for_kiaa0006_gene,_complete_cds
10 d16581_42-552,mrna_for_8-oxo-dgtpase,_complete_cds_
 d30755_1189-1633,mrna_for_kiaa0113_gene,_partial_cds_
 d38048_391-919,mrna_for_proteasome_subunit_z,_complete_cds_
 d49818_1445-1919,mrna_for_fructose_6-phosphate,2-kinase/fructose_2,6-
 bisphosphatase,_partial_cds_
15 d63487_2889-3369,mrna_for_kiaa0153_gene,_partial_cds_
 hg3989-ht4259_at_hg3989-ht4259_cpg-enriched_dna_clone_e14_
 j04948mrna_1898-2432,alkaline_phosphatase_(alp-1)_mrna,_complete_cds_
 i16862_2289-2763,g_protein-coupled_receptor_kinase_(grk6)_mrna,_complete_cds_
 i19605_1483-1915,56k_autoantigen_annexin_xi_gene_mrna,_complete_cds_
20 i33801_860-1334,protein_kinase_mrna,_complete_cds_
 i38593mrna#1_2-200,integral_membrane_protein_(nramp1)_gene,_exon_5
 i42243exon#2_2604-3066,_ifnar2_gene_(interferon_receptor)_extracted_from(clone_q-
 2od3)_interferon_re
 m15796_660-1152,cyclin_protein_gene,_complete_cds
25 m25897mrna_40-359,platelet_factor(pf4)_mrna,_complete_cds_
 m28211_176-650,gtp-binding_protein_(rab4)_mrna,_complete_cds_
 all_m32639_3894-4064,salivary_statherin_gene,_5'_flank_
 m55671mrna_968-1448,protein_z_(plus_66_bp_insertion)_mrna,_complete_cds_
 m63589mrna#1_4159-4573,stem_cell_leukemia_gene_product_
30 s66431_5869-6361,_rbp2=retinoblastoma_binding_protein[human,_nalm-6_pre-
 b_cell_leukemia,_mrna,_6455_
 s74221_317-
 695,_ik=ik_factor_[human,_leukemic_cells_k562,_chronic_myeloid_leukemia_patient,_mrna,_75
 u03634_1244-1652,p47_lbc_oncogene_mrna,_complete_cds_
35 u05255_159-261,glycophorin_hep2_mrna,_partial_cds,glycophorin_hep2_mrna,_partial_cds
 u20499exon#10_185-431,thermolabile_phenol_sulfotransferase_(stm)_gene,_complete_cds
 u27325_712-1266,thromboxane_a2_receptor_mrna,_complete_cds_
 u32315_1374-1842,syntaxinmrna,_complete_cds_
 u43203_1561-2060,thyroid_transcription_factor(ttf-1)_mrna,_complete_cds_

- u43753exon_9-237: not_in_gb_record, frataxin (frda) gene, promoter region and
u56085_2568-3048, periodic tryptophan protein (pwp2) mRNA, complete cds_
u79299_988-1462, neuronal olfactomedin-related er localized protein mRNA, partial cds.
u82306_135-225, unknown protein mRNA, partial cds/gb=u82306_/ntype=rna
- 5** u86782_591-1077, 26s proteasome-associated pad1 homolog (poh1) mRNA, complete cds/gb=u86782_/ntype=rn
u88871_910-1312, hspex7p (hspex7) mRNA, complete cds
u89606_521-917, pyridoxal kinase mRNA, complete cds.
u96094_193-667, sarcolipin (sln) mRNA, complete cds.
- 10** x56253mRNA_1914-2274, mpr46 gene for 46kd mannose 6-phosphate receptor_
x61587mRNA_701-1259, rhog mRNA for gtpase_
all_x78549_1912-2186, brk mRNA for tyrosine kinase
x95384_435-807, mRNA for unknown 14kda protein
x99720mRNA_1458-1944, tprc gene
- 15** z18948exon#3_69-465, mRNA for s100e calcium binding protein_
z48804mRNA_1006-1528, mRNA (ocular albinism typerelated)_
- Metagene 147
- 20** all_ac000061_18132-57268: in_ac000061cds#1_720-
760, wugsc:h_133k23.1c gene extracted from bac clone_13
ac000062_110059-110206: in_all_ac000062_109961-109993, pac clone_2g3a from_13q12-13q13
d50640exon_700-1132, dna for phosphodiesterase 3b_
- 25** Metagene 412
- d87462_3013-3403, mRNA for kiaa0272 gene, partial cds_
d89858_671-1157, mRNA for d-aspartate oxidase, complete cds_
m10050mRNA_25-424, liver fatty acid binding protein (fabp) mRNA, complete cds_
30 u63717_402-852, osteoclast stimulating factor mRNA, complete cds
- Metagene 128
- d31765_3735-4191, mRNA for kiaa0061 gene, partial cds_
35 d84239_15949-16339, mRNA for igg fc binding protein, complete cds_
hg36-ht4101_s_at hg36-ht4101 polymyositis/scleroderma (pm-scl) autoantigen, altsplice_2
l10665mRNA_1623-2049, gtp-binding protein superfamily, g protein alpha-
olf subunit (olfactory) mRNA,
l13203_1536-2064, hnf-3/fork-head homolog-3_hfh-3_mRNA, complete cds

- 134075_7342-7912,flkbp-rapamycin_associated_protein_(frap)_mrna,_complete_cds_
 all_m10942_421-1762,metallothionein-ie_gene_(hmt-ie)_
 m21389mrna_1754-2192,keratin_type_ii_(58_kd)_mrna,_complete_cds
 m21812_61-592,(clone_pwhlc2-24)_myosin_light_chainmrna,_complete_cds
5 m57399_434-998,nerve_growth_factor_(hbnf-1)_mrna,_complete_cds_
 m96803_6960-7482,general_beta-spectrin_(sptbn1)_mrna,_complete_cds_
 u06863_1416-1938,follistatin-related_protein_precursor_mrna,_complete_cds_
 u08815_2346-2676,splicesomal_protein_(sap_61)_mrna,_complete_cds_

10 Metagene 460

 m62994_1478-1964,thyroid_autoantigen_(truncated_actin-binding_protein)_mrna,_complete_cds_
 u00968_3595-4069,srebp-1_mrna,_complete_cds
 u53468_862-1390,nadh:ubiquinone_oxidoreductase_subunit_b13_(b13)_mrna,_complete_cds
15 u79751_2171-2615,basic-leucine_zipper_nuclear_factor_(jem-
 1)_mrna,_complete_cds/gb=u79751_/ntype=rna
 x14885mrna_2506-2558,gene_for_transforming_growth_factor-beta(tgf-
 beta_3)_exon(and_joined_cds)

20 Metagene 179

 d42138_1371-1833,mrna_for_pig-b,_complete_cds
 d45132_5577-6099,kidney_mrna_for_zinc-finger_dna-binding_protein,_complete_cds_
 hg3914-ht4184_s_at_hg3914-ht4184_cell_division_cycle_protein_2-related_protein_kinase_(pisslr)
25 hg4144-ht4414_at_hg4144-ht4414_zinc_finger_protein_hzf6
 l10333mrna_2590-3166,neuroendocrine-specific_protein_a_(nsp)_mrna,_complete_cds_
 m31328mrna_1054-1480,guanine_nucleotide-binding_protein_beta-3_subunit_mrna,_complete_cds
 m96944_2724-3252,b-cell_specific_transcription_factor_(bsap)_mrna,_complete_cds
 u25138_676-1168,maxik_potassium_channel_beta_subunit_mrna,_complete_cds
30 u57629_2195-2735,retinitis_pigmentosa_gtpase_regulator_(rpgr)_mrna,_complete_cds_
 u68494_1290-1764,hbc647_mrna_sequence
 u80457_2243-2645,transcription_factor_sim2_short_form_mrna,_complete_cds_
 x59842mrna_2321-2861,pbx2_mrna
 all_y07759_5956-6377,mrna_for_myosin_heavy_chain_12
35 all_y08976_956-1548,mrna_for_fev_protein_
 z50115cds_1782-2011:in_reversesequence,_2181-
 2473,mrna_for_thimet_oligopeptidase_(metalloproteinase)

 Metagene 438

- ab000115_1469-1973,_complete_cds
d14664_3255-3639,mrna_for_kiaa0022_gene,_complete_cds
d26361_5991-6543,mrna_for_kiaa0042_gene,_complete_cds
- 5** l38951mrna_3611-4151,importin_beta_subunit_mrna,_complete_cds_
l40399mrna_993-1467,(clone_s240ii117/zap112)_mrna,_complete_cds_
m15353mrna_1277-1769,cap-binding_protein_mrna,_complete_cds_
m69043_985-1459,mad-3_mrna_encoding_ikb-like_activity,_complete_cds_
u05040_1814-2282,fuse_binding_protein_mrna,_complete_cds_
- 10** u08998_962-1280,tar_rna_binding_protein(trbp2)_mrna,_complete_cds_
u22431_3070-3644,hypoxia-inducible_factoralpha_(hif-1_alpha)_mrna,_complete_cds_
u41515_61-397,deleted_in_split_hand/split_foot(dss1)_mrna,_complete_cds_
u43522_3580-4072,cell_adhesion_kinase_beta_(cakbeta)_mrna,_complete_cds_
u44111mrna_1108-1642,histamine_n-methyltransferase_(hnmt)_gene_
- 15** u51166_2941-3361,g/t_mismatch-specific_thymine_dna_glycosylase_mrna,_complete_cds
u70063_1750-2266,acid_ceramidase_mrna,_complete_cds
all_x83228_3359-3561,mrna_for_li-cadherin
z79581exon_19-226,laz3/bcl6_gene,_first_non_coding_exon
- 20** Metagene 297
- l41690_906-1332,tnf_receptor-1_associated_protein_(tradd)_mrna,_3'_end_of_cds_
s78693_2-40,_alpha_creb-1=cyclic_amp_response_element-binding_protein-
1_alpha_isoform_{alternatively
- 25** x05153mrna_264-678,_alpha-lactalbumin_precursor_gene_extracted_fromalpha-lactalbumin_gene_
all_x06956_5299-5359,halpha44_gene_for_alpha-tubulin,_exons_3-jan
- Metagene 471
- 30** d21852_3671-4241,mrna_for_kiaa0029_gene,_partial_cds_
d25303_2993-3539,mrna_for_integrin_alpha_subunit,_complete_cds_
d25538_5613-6147,mrna_for_kiaa0037_gene,_complete_cds
d28791exon_1763-2267,pig-a_gene,_5'_flanking_region_and
d30758_1965-2469,mrna_for_kiaa0050_gene,_complete_cds
- 35** d42041_3435-3771,mrna_for_kiaa0088_gene,_partial_cds_
d50911_3298-3718,mrna_for_kiaa0121_gene,_complete_cds
d63506_1940-2435,mrna_for_unc-18homologue,_complete_cds
d79983_5024-5498,mrna_for_kiaa0161_gene,_complete_cds
d80003_6029-6395,mrna_for_kiaa0181_gene,_partial_cds_

- d83032_6016-6364,mrna_for_nuclear_protein_np220_complete_cds_
d83777_4475-5003,mrna_for_kiaa0193_gene_complete_cds
d86962_5028-5328,mrna_for_kiaa0207_gene_complete_cds
d86969_4436-4886,mrna_for_kiaa0215_gene_complete_cds
5 j03161mrna_3636-4122,serum_response_factor_(srf)_mrna_complete_cds
j03779mrna_4985-
5459,common_acute_lymphoblastic_leukemia_antigen_(calla)_mrna_complete_cds
l19067_2335-2419,nf-kappa-b_transcription_factor_p65_subunit_mrna_complete_cds
l29218mrna_1408-1894,clk2_mrna_complete_cds
10 l35035mrna_629-1079,ribose_5-phosphate_isomerase_(rpi)_mrna_
l35240cds_1065-1323:in_reversesequence_1431-1533,enigma_gene_complete_cds_
all_m16505_6015-6520,steroid_sulfatase_(sts)_mrna_complete_cds
m23161_3287-3791,transposon-like_element_mrna
m29550_2005-2317,calcineurin_a1_mrna_complete_cds_
15 m33552mrna_1042-1546,lymphocyte-specific_protein_(lsp1)_mrna_complete_cds_
m34057_4720-5044,transforming_growth_factor-beta-binding_protein_mrna_complete_cds
m87770_3759-4125,fibroblast_growth_factor_receptor_(k-sam)_mrna_complete_cds
u02031_3660-4182,sterol_regulatory_element_binding_protein-2_mrna_complete_cds
u16660_685-1153,peroxisomal_enoyl-coa_hydratase-like_protein_(hpxel)_mrna_complete_cds
20 u35376_2006-2254,repressor_transcriptional_factor_(znf85)_mrna_complete_cds_
u58048_1891-2431,metallopeptidase_prsm1_mrna_complete_cds_
u73524_1866-2304,putative_atp/gtp-binding_protein_(heab)_mrna_complete_cds
u78556_2774-
3248,cisplatin_resistance_associated_alpha_protein_(hcra_alpha)_mrna_complete_cds_
25 all_x16396_1543-2102,mrna_for_nad-
dependent_methylene_tetrahydrofolate_dehydrogenase_cyclohydrolase_
all_x77744_1467-1750,fl1_mrna
x90780mrna_255-765,cardiac_troponin_i_gene_exonsto_5
all_z48481_2878-3347,mrna_for_membrane-type_matrix_metalloproteinase_1_
30
Metagene 439

d13645_1517-2027,mrna_for_kiaa0020_gene_complete_cds
v00542mrna_375-902,_messenger_rna_forleukocyte_(alpha)_interferon
35 all_x62822_2104-2645,gene_encoding_beta-galactoside_alpha-2,6-sialyltransferase

Metagene 256

hg210-ht210_s_at_hg210-ht210_galactokinase

- j02923_2574-3132,65-kilodalton_phosphoprotein_(p65)_mrna,_complete_cds_
 104270_1613-
 2111,(clone_cd18)_tumor_necrosis_factor_receptorrelated_protein_mrna,_complete_cds_
 106633_1153-1669,transcription_factor_mrna,_complete_cds_
5 m14219_1375-
 1753,chondroitin/dermatan_sulfate_proteoglycan_(pg40)_core_protein_mrna,_complete_cds
 m21624mrna_603-1149,t-cell_receptor_delta_chain_mrna_(vjc-region),_complete_cds
 m76766_679-1129,transcription_factor_(tfiib)_mrna,_complete_cds
 u88964_130-568,hem45_mrna,_complete_cds
- 10** Metagene 235
- hg67-ht67_f_at_hg67-ht67_zinc_finger_protein_
 m18728mrna_1932-2460,nonspecific_crossreacting_antigen_mrna,_complete_cds
15 m29540_2616-2949,carcinoembryonic_antigen_mrna_(cea),_complete_cds_
 m36803exon_142-352:not_in_gb_record,hemopexin_gene
 m55284_1800-2364,protein_kinase_c-l_(prkl)_mrna,_complete_cds_
 u13913_3871-4120,large-conductance_calcium-
 activated_potassium_channel_(hslo)_mrna,_complete_cds_
20 u34879mrna_1628-2073,17-beta-hydroxysteroid_dehydrogenase_(edh17b2)_gene,_complete_cds
 u69140_297-846,zygini_mrna,_partial_cds_
 Metagene 375
- 25** m37981_1751-1829,alpha-
 3_neuronal_nicotinic_acetylcholine_receptor_subunit_mrna,_complete_cds
 m74290_1261-1741,substance_p_receptor_protein_mrna_
 m76729_6573-7077,pro-alpha-1_(v)_collagen_mrna,_complete_cds_
 s46622_1569-2055,_calcineurin_a_catalytic_subunit_[human,_testis,_mrna,_2134_nt]
30 u10473_333-895,clone_p4betagt/3_beta-1,4-
 galactosyltransferase_mrna,_partial_cds/gb=u10473_/ntype=rn
 u16720mrna_959-1508,interleukin(il10)_gene,_complete_cds
 u28015_1201-1351,cysteine_protease_(icerel-iii)_mrna,_complete_cds_
 u80184mrna_3661-4093,flil_gene,_complete_cds_
35 u89336exon#46-49_2-
 143:in_fullsequence_26932:,_unknown_gene_extracted_fromhla_iii_region_containing
 x52221mrna_1674-2244,ercc2_gene,_exons&(partial)_
 x69090_4322-4880,mrna_for_skeletal_muscle_190kd_protein
 x76302exon#3_386-923,ry-1_mrna_for_putative_nucleic_acid_binding_protein_

x91141mrna_2412-2904,mrna_for_rabaptin-5_protein_
all_x91249_2428-2855,mrna_for_white_gene_protein_

Metagene 107

5

d00591exon#14_597-1041,rcc1_gene_complete_cds_
d28114_780-1278,mrna_for_mobp_(myelin-
associated_oligodendrocytic_basic_protein),_complete_cds,_clon
d50532_839-1283,mrna_for_macrophage_lectin_2,_complete_cds_
10 d56495_1102-1600,mrna_for_reg-related_sequence_derived_peptide-2_
l21993_1527-2013,adenylyl_cyclase_mrna,_3'_end_of_cds
m32313mrna_1537-2047,steroid_5-alpha-reductase_mrna,_complete_cds
all_z46788_1637-2082,mrna_for_cylicin_ii_

15 Metagene 209

all_d11139_1902-2407,gene_for_tissue_inhibitor_of_metalloproteinases,_partial_sequence_
d12775_3124-3662,mrna_for_erythrocyte-specific_AMP_deaminase,_complete_cds_
d88799_43-379,mrna_for_cadherin,_partial_cds/gb=d88799_/ntype=rna_

20 hg4263-ht4533_at_hg4263-ht4533_nkr-pla_protein_

m32598cds_2214-2448:in_reversesequence,_146-
368,muscle_glycogen_phosphorylase_(pygm)_gene_
m80397_2847-3368,dna_polymerase_delta_catalytic_subunit_mrna,_complete_cds_
s42457_2418-2814,_cncg=rod_photoreceptor_cgmp-

25 gated_channel_[human,_retina,_mrna,_2857_nt]

s81916_98-

146,_phosphoglycerate_kinase_{alternatively_spliced},[human,_phosphoglycerate_kinase_defic
u40371_2129-2591,3',5'_cyclic_nucleotide_phosphodiesterase_(hspdelc1a)_mrna,_complete_cds_
u41813_816-1290,i_homeoprotein_(hoxa9)_mrna,_partial_cds_

30 u72514_405-837,c2f_mrna,_complete_cds

x62055cds_1413-1767:in_reversesequence,_2028-2232,ptp1c_mrna_for_protein-
tyrosine_phosphatase_1c_

Metagene 341

35

u17033_5092-5578,180_kda_transmembrane_pla2_receptor_mrna,_complete_cds
u77949_2079-2622,cdc6-related_protein_(hscdc6)_mrna,_complete_cds

Metagene 82

- ab000460_4262-4724, clone_res4-22b, complete_cds
 af007551_16-574, bet1p_homolog_(hbet1)_mrna, complete_cds/gb=af007551_/ntype=mrna_
 d12763_882-1314, mrna_for_st2_protein
- 5** d21337_5825-6353, mrna_for_collagen_
 d31797_exon_752-1274, cd40_ligand_(cd40l)_gene, 5' flanking_region_and_
 d84276_909-1185:in_reversesequence, 1299-1305, mrna_for_cd38, complete_cds_
 d87024_cds#5_85-283:in_reversesequence, 2475-
 39492, (lambda)_dna_for_immunoglobulin_light_chain_
- 10** d87119_3614-4160, cancellous_bone_osteoblast_mrna_for_gs3955, complete_cds_
 l14542_664-982, lectin-like_type_ii_integral_membrane_protein_(nkg2-e)_mrna, complete_cds_
 l32140_1681-2227, afamin_mrna, complete_cds_
 l41870_4412-4814, retinoblastoma_susceptibility_protein_(rb1)_mrna_and_mutations_
 m27394_cds_459-860:in_reversesequence, 1054-1101, b-lymphocyte_cell-
- 15** surface_antigen_b1_(cd20)_
 m77698_1764-2310, gli-kruppel_related_protein_(yyl)_mrna, complete_cds_
 u03105_1538-1916, b4-2_protein_mrna, complete_cds_
 u41344_mrna_1478-1988, prolargin_(prelp)_gene, 5' flanking_sequence_and
 u73499_mrna_29-200, hepatic_nuclear_factor_1-alpha_(tcf-1-
- 20** alpha)_gene, promoter_region_and_partial_cds
 x51804_cds_400-532:in_reversesequence, 820-1162, pmi_gene_for_a_putative_receptor_protein_
 y10204_mrna_49-505, mrna_for_cd77_protein/gb=y10204_/ntype=mrna_
- Metagene 440
- 25** d10925_1613-2123, mrna_for_hm145
 u29680_251-659, a1_protein_mrna, complete_cds_
 u45878_2591-2689, inhibitor_of_apoptosis_protein_mrna, complete_cds_
- 30** Metagene 485
- d87682_5800-6286, mrna_for_kiaa0241_gene, partial_cds_
 d87742_5513-5921, mrna_for_kiaa0268_gene, partial_cds_
 d89050_691-1219, mrna_for_lectin-like_oxidized_ldl_receptor, complete_cds_
35 l20688_864-1188, gdp-dissociation_inhibitor_protein_(ly-gdi)_mrna, complete_cds_
 m31158_2670-3216, camp-dependent_protein_kinase_subunit_rii-beta_mrna, complete_cds_
 u63542_303-750, putative_fap_protein_mrna, partial_cds_
 u95740_mrna#2_1995-
 2457, 362g6.1_gene_(unknown_protein_cit987sk_362g6_1)_extracted_from_chromosome_16p

all_x05409_1388-1965,ma_for_mitochondrial_aldehyde_dehydrogenase_i_aldh_i(ec_1.2.1.3)

Metagene 308

- 5 u14518_859-1315,centromere_protein-a_(cenp-a)_mrna,_complete_cds_
u31116_1448-2012,beta-sarcoglycan_a3b_mrna,_complete_cds_
all_u58675_25626-39844,_or17-
228_gene_extracted_fromolfactory_receptor_gene_cluster_on_chromosome_17
u64573exon_58-
- 10 164,connexin43_gap_junction_protein_(connexin43)_gene,_exonand_promoter_region/gb=u645
all_x99142_1281-1702,ma_for_hair_keratin,_hhb6_

Metagene 140

- 15 ab002365_5053-5617,ma_for_kiaa0367_gene,_partial_cds/gb=ab002365_/ntype=rna
hg3729-ht3999_f_at_hg3729-ht3999_homeotic_protein_hpx-5
107077_3277-3661,enyol-coa:_hydratase_3-hydroxyacyl-
coa_dehydrogenase_(ehhadh)_mrna,_complete_cds_wi
111353_1698-2202:in_reversesequence,_2208-2214,moesin-ezrin-radixin-
20 like_protein_mrna,_complete_cds_
all_112052_3408-3871,camp_phosphodiesterase_mrna,_3'_end_
127050_1166-1508,apolipoprotein_f_(apof)_mrna,_complete_cds
136847cds_1044-1578,(clone_p17/90)_rearranged_iduronate-2-
sulphatase_homologue_gene/gb=136847_/ntype
- 25 176569mrna_6762-
7284,(clones_cyg3_b5p6c4)_fragile_x_e_mental_retardation_syndrome_protein_(fmr2)_mr
m21535_2603-3101,_m17390erg_protein_(ets-related_gene)_mrna,_complete_cds
u28687_1710-1983,zinc_finger_containing_protein_znf157_(znf157)_mrna,_complete_cds_
u34380_rna1_s_at_u34380_u34380,not_in_gb_record,_tec_gene_extracted_fromprotein_tyrosine_ki
30 nase_tec_
z35309cds_3385-3727,ma_for_adenylyl_cyclase
all_z79693_2421-3018,ma_for_protein-tyrosine_phosphatase_nc-ptpcom1

Metagene 286

- 35 d14446_794-1166,hfrep-1_mrna_for_unknown_protein,_complete_cds_
d21262_3210-3663,ma_for_kiaa0035_gene,_partial_cds_
d28383_4-
37,ma_for_atp_synthase_b_chain,_5'_utr_(sequence_from_the_5'_cap_to_the_start_codon)/gb=d

- d42063_9590-9962,mrna_for_ranbp2_(ran-binding_protein_2),_complete_cds_
d87453_2046-2586,mrna_for_kiaa0264_gene,_partial_cds_
hg3088-ht3263_at_hg3088-ht3263_splicing_factor_sc35,_alt_splice_form_3_
l48692_581-1067,(clone_p5-23-3)_mrna
- 5** m74558_4849-5170,sil_mrna,_complete_cds
u28251exon_1192-1642,krueppel-type_zinc_finger_protein_(znfl69)_gene,_partial_cds_
u33632_1401-1839,two_p-domain_k+_channel_twik-1_mrna,_complete_cds_
u41745_296-794,pdgf_associated_protein_mrna,_complete_cds
u96131_1638-
- 10** 2130,hpv16_e1_protein_binding_protein_mrna,_complete_cds/gb=u96131/_ntype=rna_
x82206cds_769-1107:in_reversesequence,_1192-1410,mrna_for_alpha-centractin
z15005cds_7614-7968:in_reversesequence,_8076-8184,cenp-c_mrna_
- Metagene 95
- 15** d13630_2433-2919,mrna_for_kiaa0005_gene,_complete_cds
d14530_55-403,homolog_of_yeast_ribosomal_protein_s28,_complete_cds_
d14658_859-1285,mrna_for_kiaa0102_gene,_complete_cds_
d21090_2298-2868,mrna_for_xp-c_repair_complementing_protein_(p58/hhr23b),_complete_cds_
- 20** d25218_1125-1575,mrna_for_kiaa0112_gene,_partial_cds_
d43948_6033-6549,mrna_for_kiaa0097_gene,_complete_cds
d45248_389-773,mrna_for_proteasome_activator_hpa28_subunit_beta,_complete_cds
d50663_235-625,mrna_for_tctel1_gene,_complete_cds
d61380_258-762,mrna_for_dj-1_protein,_complete_cds_
- 25** d63480_2623-3187,mrna_for_kiaa0146_gene,_partial_cds_
d76444mrna_2828-3362,hkf-1_mrna,_complete_cds
d80005_4364-4862,mrna_for_kiaa0183_gene,_partial_cds_
d87076_5065-5581,mrna_for_kiaa0239_gene,_partial_cds_
d87440_3807-4245,mrna_for_kiaa0252_gene,_partial_cds_
- 30** d87466_3602-4124,mrna_for_kiaa0276_gene,_partial_cds_
d87470_6278-6794,mrna_for_kiaa0280_gene,_partial_cds_
d88378_2857-3157,mrna_for_proteasome_inhibitor_hpi31_subunit,_complete_cds_
d90086exon#10_9-
489:not_in_gb_record,pyruvate_dehydrogenase_(ec_1.2.4.1)_beta_subunit_gene,_exons_10
- 35** j04543_1215-1725,synexin_mrna,_complete_cds
j04615mrna_833-1265,lupus_autoantigen_(small_nuclear_ribonucleoprotein,_snrnp,_sm-
d)_mrna,_complete
all_j04982_4001-5444,heart/skeletal_muscle_atp/adp_translocator_(ant1)_gene,_complete_cds
l06132_1325-1721,voltage-dependent_anion_channel_isoform(vdac)_mrna,_complete_cds_

- 110284_3582-4038,integral_membrane_protein,_calnexin,(ip90)_mrna,_complete_cds_
 113977_1675-2017,prolylcarboxypeptidase_mrna,_complete_cds_
 119527_31-415,ribosomal_protein_l27_(rpl27)_mrna,_complete_cds
 132977mrna_680-1124,(clone_fl7252)_ubiquinol_cytochrome_c_reductase_rieske_iron-
 5 sulphur_protein_(uqc
 all_m12783_3467-3780,c-sis/platelet-derived_growth_factor(sis/pdgf2)_mrna,_complete_cds_
 all_m19645_4941-5470,78_kdalton_glucose-regulated_protein_(grp78)_gene,_complete_cds_
 m21259_at_m21259_m21259,not_in_gb_record,alu_repeats_in_the_region_5'_to_the_small_nuclear
 _ribonucle
 10 m22760_142-586,nuclear-
 encoded_mitochondrial_cytochrome_c_oxidase_va_subunit_mrna,_complete_cds_
 m23613_701-1217,nucleophosmin_mrna,_complete_cds_
 all_m32405_2395-2832:in_m32405cds_316-
 347,homologue_of_rat_insulinoma_gene_(rig),_exons_4-jan_
 15 m80335_574-886,protein_kinase_a_catalytic_subunit_mrna,_3'_end
 m86667_1037-1517,nap_(nucleosome_assembly_protein)_mrna,_complete_cds
 m93036mrna_987-1353:in_reversesequence,_527-545,(clone_21726)_carcinoma-
 associated_antigen_ga733-2_(
 u07231_2329-2647,g-rich_sequence_factor-1_(grsf-1)_mrna,_complete_cds
 20 u07857_173-677,_humankda_alu_rna_binding_protein_mrna,_complete_cds_
 u09813mrna_225-
 765,mitochondrial_atp_synthase_subunit_9,_p3_gene_copy,_mrna,_nuclear_gene_encoding_m
 u12595_1663-
 2083,tumor_necrosis_factor_tyrosereceptor_associated_protein_(trap1)_mrna,_partial_cds
 25 u18062_1678-2152,tfiid_subunit_tafii55_(tafi55)_mrna,_complete_cds
 u44772_1738-2176,palmitoyl_protein_thioesterase_mrna,_complete_cds_
 u50733_1132-1642,dynamitin_mrna,_complete_cds
 u58089_1599-1941,hs-cul-3_mrna,_partial_cds
 u62800_181-535,cystatin_m_(cst6)_mrna,_complete_cds
 30 u66879_394-928,bcl-2_binding_component(bbc6)_mrna,_complete_cds.
 x02317cds_251-371:in_reversesequence,_531-831,mrna_for_cu/zn_superoxide_dismutase_(sod)
 all_x52979_759-
 895:not_in_gb_record,_smb_protein_gene_extracted_fromgene_for_small_nuclear_ribonucle
 x56468mrna_1303-1789,mrna_for_14.3.3_protein,_a_protein_kinase_regulator_
 35 x59417cds_319-709:in_reversesequence,_813-861,pros-27_mrna
 all_x75252_1083-1408,phosphatidylethanolamine_binding_protein_mrna_
 all_x91809_980-1533,mrna_for_gaip_protein
 z50749cds_689-1055:in_reversesequence,_1088-1274,sds22-like_mrna

Metagene 476

- d00763_609-1035,mrna_for_proteasome_subunit_hc9
d14661_1027-1579,mrna_for_kiaa0105_gene,_complete_cds
5 d43949_2627-3143,mrna_for_kiaa0082_gene,_partial_cds_
d63879_3065-3599,mrna_for_kiaa0156_gene,_complete_cds
d86973_7230-7716,mrna_for_kiaa0219_gene,_partial_cds_
hg2460-ht2556_at_hg2460-ht2556_integrin_beta
hg4194-ht4464_at_hg4194-ht4464_sodium/hydrogen_exchanger
10 hg4716-ht5158_at_hg4716-ht5158_guanosine_5'_-monophosphate_synthase
j02963_641-1049,platelet_glycoprotein_iib_mrna,_3'_end_
j05448_1173-1665,rna_polymerase_subunit_hrpb_33,_mrna
all_k01383_2141-2388,metallothionein-i-a_gene,_complete_coding_sequence
105500_2226-2688,fetal_brain_adenylyl_cyclase_mrna,_3'_end_
15 all_115440_5674-
5845,tyrosine_hydroxylase_(th)_gene,_3'_end;_insulin_(ins)_gene,_complete_cds;_insul
l38941mrna_19-343,ribosomal_protein_l34_(rpl34)_mrna,_complete_cds
m18185mrna_206-656,gastric_inhibitory_polypeptide_(gip)_mrna,_complete_cds_
m20471_512-1066,brain-type_clathrin_light-chain_a_mrna,_complete_cds_
20 m77232mrna_329-773,ribosomal_protein_s6_gene,_complete_cds_and_flanking_regions_
u23803_1125-1659,heterogeneous_ribonucleoprotein_a0_mrna,_complete_cds
u31120mrna_802-1234:in_reversesequence,_5052,interleukin-13_(il-
13)_precursor_gene,_complete_cds_
u37408_1514-2078,ctbp_mrna,_complete_cds_
25 u41371_2249-2777,spliceosome_associated_protein_(sap_145)_mrna,_complete_cds_
u68018_1512-1890,rad_protein_homolog_(hmad-2)_mrna,_complete_cds_
u90547_2553-2811,ro/ssa_ribonucleoprotein_homolog_(roret)_mrna,_complete_cds_
u96915_165-693,sin3_associated_polypeptide_p18_(sap18)_mrna,_complete_cds.
x77584cds_5-215:in_reversesequence,_43-481,mrna_for_atl-derived_factor/thiredoxin_
30 x85237cds_1957-2311:in_reversesequence,_2480-2588,mrna_for_splicing_factor_sf3a120
all_x85373_43-404,mrna_for_sm_protein_g
y00764cds_85-235:in_reversesequence,_331-463,mrna_for_mitochondrial_hinge_protein_
all_z26634_11848-12401,mrna_for_ankyrin_b_(440_kda)

35 Metagene 403

d90276_757-1156,cgm7_gene_for_nonspecific_cross-reacting_antigen_(nca)_
m92642_5127-5311,alpha-1_type_xvi_collagen_(coll6a1)_mrna,_complete_cds_
u68233_1565-2063,farnesol_receptor_hrr-1_(hrr-1)_mrna,_complete_cds

u90911_1165-1549,clone_23652_mrna_sequence_
 x61070mrna_61-379,mrna_for_t_cell_receptor_clone_igra15.
 all_x72012_2495-3060,end_mrna_for_endoglin_
 y12394_1326-1770,mrna_for_srp1-like_protein

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Metagene 138

- af003743_28-235,delayed_rectifier_potassium_channel_(kvlqt1-
 iso5)_mrna_5'_utr_and_partial_cds/gb=af
- 10 d10495_1562-2054,mrna_for_protein_kinase_c_delta-type
 all_d13897_1402-
 1545_peptide_yy_precursor_gene_extracted_fromdna_for_peptide_yy_complete_cds
 d16583exon#12_473-1001,gene_for_l-histidine_decarboxylase_complete_cds
 d17532_3624-4104,mrna_for_rck_complete_cds
- 15 d28416_5-
 55,mrna_for_esterase_d_5'_utr(sequence_from_the_5'_cap_to_the_start_codon)/gb=d28416_nty
 d42044_5131-5635,mrna_for_kiaa0090_gene_partial_cds_
 d42046_3648-4077,mrna_for_kiaa0083_gene_partial_cds_
 d55696_1285-1807,mrna_for_cysteine_protease_complete_cds
- 20 d63484_2642-3188,mrna_for_kiaa0150_gene_partial_cds_
 d83542_2250-2808,mrna_for_cadherin-15_complete_cds
 d83780_3502-4060,mrna_for_kiaa0196_gene_complete_cds
 d83784_5115-5445,mrna_for_kiaa0198_gene_partial_cds_
 d87937_88-
- 25 502,mrna_for_alpha(1,2)fucosyltransferase_5'_utr_partial_sequence/gb=d87937_ntype=rna
 hg1602-ht1602_at_hg1602-ht1602_utrophin
 hg2247-ht2332_at_hg2247-ht2332_major_intrinsic_protein_
 hg2348-ht2444_s_at_hg2348-ht2444_peptide_yy
 hg2994-ht4850_s_at_hg2994-ht4850_elastin_altsplce_2
- 30 hg3148-ht3324_s_at_hg3148-ht3324_major_histocompatibility_complex_iii_rp1_altsplce_1_
 hg3437-ht3628_s_at_hg3437-ht3628_myelin_proteolipid_protein_altsplce_2_
 hg3565-ht3768_r_at_hg3565-ht3768_zinc_finger_protein_
 hg3566-ht3769_at_hg3566-ht3769_zinc_finger_protein_
 hg4018-ht4288_at_hg4018-ht4288_opioid-binding_cell_adhesion_molecule_
- 35 hg4264-ht4534_s_at_hg4264-ht4534_guanine_nucleotide-binding_protein_rab5c-like_protein_
 hg4638-ht5050_at_hg4638-ht5050_spliceosomal_protein_sap_49_
 hg4724-ht5166_at_hg4724-ht5166_atp-binding_cassette_protein
 hg4749-ht5197_at_hg4749-ht5197_calmitine_calcium-binding_protein_mitochondrial
 hg880-ht880_at_hg880-ht880_mucin_6_gastric

- j02871_1475-1931,lung_cytochrome_p450_(iv_subfamily)_bi_protein,_complete_cds
j02947mrna_839-1349,extracellular-superoxide_dismutase_(sod3)_mrna,_complete_cds_
j03241_1918-2438,transforming_growth_factor-beta(tgf-beta3)_mrna,_complete_cds
122454_2803-2944,nuclear_respiratory_factor-1_(nrf-1)_mrna,_complete_cds
- 5 133799_1065-1455,procollagen_c-proteinase_enhancer_protein_(pcolce)_mrna,_complete_cds_
140402mrna_593-1157,(clone_zap2)_mrna_fragment
m11749cds_141-405:in_reversesequence,_1501-1747,thy-1_glycoprotein_gene,_complete_cds_
m13929mrna_421-974,c-myc-p64_mrna,_initiating_from_promoter_p0,(hlmvc2.5)_partial_cds_
m16336mrna_923-1463,t-cell_surface_antigen_cd2_(t11)_mrna,_complete_cds,_clone_pb1_
- 10 m28882_2907-3186,muc18_glycoprotein_mrna,_complete_cds_
m29932cds_637-1180,beta-3-adrenergic_receptor_gene_
m31211mrna_150-714,myosin_light_chainslow_a_(mlc1sa)_mrna,_complete_cds_
m37238mrna_3630-4187,phospholipase_c_mrna,_complete_cds
m37763cds_350-740:in_reversesequence,_965-989,neurotrophin-3_(nt-3)_gene,_complete_cds
- 15 m59916_1784-2300,acid_sphingomyelinase_(asm)_mrna,_complete_cds
m64673_1541-2084,heat_shock_factor(tcf5)_mrna,_complete_cds_
m79463_2979-3514,pml-2_mrna,_complete_cds
m85085_1449-1953,cleavage_stimulation_factor,_complete_cds_
m93284_879-1407,pancreatic_lipase_related_protein(plrp2)_mrna,_complete_cds_
- 20 m95627mrna_1227-1587,angio-associated_migratory_cell_protein_(aamp)_mrna,_complete_cds
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1_{alternatively_spliced}_[human,_prostate,_mrna,_1541_nt]
s83309_1291-
1856,_germ_cell_nuclear_factor_[human,_embryonal_carcinoma_nt2/d1,_mrna,_1916_nt]
- 25 u01038_1649-2123,plk_mrna,_complete_cds
u07664exon#2_535-973,hb9_homeobox_gene_
u08198mrna_313-805,complement_c8_gamma_subunit_precursor_(c8g)_gene,_complete_cds_
u09937mrna_1176-1581,_urokinase-
type_plasminogen_activator_receptor_gene_extracted_fromurokinase-typ
- 30 u11877_7-139,interleukin-
8_receptor_type_b_(il8rb)_mrna,_splice_variant_il8rb9,_partial_cds/gb=u1187
u14187_824-962,receptor_tyrosine_kinase_ligand_lerk-3_(eplg3)_mrna,_complete_cds.
all_u15637_1727-2315,cd40_binding_protein_(cd40bp)_mrna,_complete_cds
u18018_1732-2290,e1a_enhancer_binding_protein_(e1a-f)_mrna,_partial_cds
- 35 u18235_61-493,atp-binding_cassette_protein_(abc2)_mrna_hfbcd04_clone,_partial_cds
u18300_1231-1657,damage-
specific_dna_binding_protein_p48_subunit_(ddb2)_mrna,_complete_cds_
u19261_1792-2320,epstein-barr_virus-induced_protein_mrna,_complete_cds_
u32645_3566-4112,myeloid_elf-1_like_factor_(mef)_mrna,_complete_cds

- u38372_13-331,huntingtin_associated_protein_(hhap1)_mrna,_partial_cds
u40998_760-1312,retinal_protein_(hrg4)_mrna,_complete_cds
u43965_3313-3389,ankyrin_g119_(ank3)_mrna,_complete_cds
u46570_974-1364,tetratricopeptide_repeat_protein_(tpr1)_mrna,_complete_cds_
- 5 u49070_411-951,peptidyl-
prolyl_isomerase_and_essential_mitotic_regulator_(pin1)_mrna,_complete_cds_
u50079_1013-1569,histone_deacetylase_hd1_mrna,_complete_cds
u50136mrna_106-640,leukotriene_c4_synthase_(ltc4s)_gene,_complete_cds_
u52100_167-605,xmp_mrna,_complete_cds
- 10 u56417_1673-2063,lysophosphatidic_acid_acyltransferase-alpha_mrna,_complete_cds
all_u57450_305-546,epc-1_gene
u67674exon_2279-2813,ileal_sodium_dependent_bile_acid_transporter
u70426_1863-2301,a28-rgs14p_mrna,_complete_cds_
u73377_3059-3363,p66shc_(shc)_mrna,_complete_cds.
- 15 u76456_587-1145,tissue_inhibitor_of_metalloproteinase_mrna,_complete_cds.
u83192_3401-3905,post-synaptic_density_protein_95_(psd95)_mrna,_complete_cds_
u83410_2256-2772,cu1-2_(cu1-2)_mrna,_complete_cds
u83598_519-
790,death_domain_receptorsoluble_form_(ddr3)_mrna,_partial_cds,death_domain_receptorsolub
- 20 u85611_385-919,dna-pk_interaction_protein_(kip)_mrna,_complete_cds_
u86409cds_61-
523,hyaluronan_synthase(has3)_gene,_partial_cds/gb=u86409_/ntype=dna_/annot=cds
u88629cds_1508-
1898,rna_polymerase_ii_elongation_factor_ell2,_complete_cds/gb=u88629_/ntype=dna_/ann
- 25 u89278_1958-2402,polyhomeotichomolog_(hph2)_mrna,_complete_cds
u89355_3288-3618,clone_crt16_creb-binding_protein_mrna,_partial_cds.
all_x04828_1116-1702,mrna_for_g(i)_protein_alpha-subunit_(adenylate_cyclase_inhibiting_gtp-binding_p
all_x07315_341-864,gene_for_pp15_(placental_protein_15)
- 30 x52192cds_2144-2426:in_reversesequence,_2525-2717,rna_for_c-fes_
x52611cds_962-1273:in_reversesequence,_1441-1555,mrna_for_transcription_factor_ap-2_
all_x52638_1152-1723,mrna_for_6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase_(ec_2.7.1.105,_ec
x59373mrna_531-1071,hox4d_mrna_for_a_homeobox_protein
- 35 all_x60104_1532-2110,mrna_for_zinc_finger_protein
x62025mrna_877-1180,rod_cg-pde_g_gene_for_3',_5'-cyclic_nucleotide_phosphodiesterase
x62153cds_1930-2398:in_reversesequence,_2459-2494,mrna_for_p1_protein_(p1.h)
x63380_1061-1613,mrna_for_rsrfr2_
all_x65463_1187-1734,mrna_for_mhc_i_promoter_binding_protein_

- x68688mrna_111-134,znf33b_gene
x70991_1597-2089,mader_mrna
all_x74295_178-695,mrna_for_alpha_7b_integrin
x77588cds_154-679,te2_mrna_for_ard-1_n-acetyltransferase_homologue.
5 x86428cds_626-920:not_in_gb_record,gene_for_phosphotyrosyl_phosphatase_activator_(exon_1)_
x92715_3170-3701,mrna_for_znf74_protein
x95463cds_793-1222,mrna_for_ox19_protein_
y00970cds_756-1236:in_reversesequence,_1264-1312,mrna_for_acrosin_(ec_3.4.21.10)
y08302cds_807-1122:in_reversesequence,_1385-1445,mrna_for_map_kinase_phosphatase_4
10 y08836mrna_37-181,mrna_for_hrx-like_protein/gb=y08836_/ntype=rna_
y09022cds_805-1291:in_reversesequence,_1328-1406,mrna_for_not56-like_protein
y11416mrna_1639-2209,mrna_for_p73
all_z14978_1422-1673,mrna_for_actin-related_protein
z33905mrna_1190-1598,gene_for_43kd_acetylcholine_receptor-associated_protein_(rapsyn)
15
Metagene 99

ac002450cds_13-535,bac_clone_gs244b22_from_7q21-
q22,_complete_sequence/gb=ac002450_/ntype=dna_/annot
20 af006041_300-762,fas-binding_protein_(daxx)_mrna,_partial_cds/gb=af006041_/ntype=rna
d80006_4068-4596,mrna_for_kiaa0184_gene,_partial_cds_
d83779_4499-4967,mrna_for_kiaa0195_gene,_complete_cds
hg4310-ht4580_at_hg4310-ht4580_cellular_retinol_binding_protein_ii_
j04501_3032-3482,muscle_glycogen_synthase_mrna,_complete_cds_
25 j04513mrna_6156-
6714,basic_fibroblast_growth_factor_(bfgf)_22.5_kd,_21_kd_andkd_protein_mrna,_comple
m16276mrna_1281-1569,mhc_ii_hla-dr2-dw12_mrna_dqw1-beta,_complete_cds
m74099_4835-5327,displacement_protein_(ccaat)_mrna_
m97388_786-1332,tata_binding_protein-associated_phosphoprotein_(dr1)_mrna,_complete_cds
30 s77575_11-
59,_erv9_reverse_transcriptase_homolog_{clone_rt11}_{human,_multiple_sclerosis,_brain_plaq
u75679_1214-1622,histone_stem-loop_binding_protein_(slbp)_mrna,_complete_cds_
u91616_1484-1988,i_kappa_b_epsilon_(ikbe)_mrna,_complete_cds_
all_x54925_1537-1904,mrna_for_type_i_interstitial_collagenase
35 all_x73882_2585-3120,e-map-115_mrna

Metagene 14

d16532exon_123-561,gene_for_very_low_density_lipoprotein_receptor,_5' flanking_and_

- d49354_769-1293,mrna_for_enhancer_protein_in_hsp70_gene,_partial_cds_
d79984_5275-5836,mrna_for_kiaa0162_gene,_complete_cds
d79999_4526-4922,mrna_for_kiaa0177_gene,_partial_cds_
d82346_944-1316,mrna_for_hnspc,_complete_cds_
5 d83597_2108-2612,mrna_for_rp105,_complete_cds
d84361_1601-2135,mrna_for_p52_and_p64_isoforms_of_n-shc,_complete_cds
d87435_5153-5591,mrna_for_kiaa0248_gene,_partial_cds_
d87454_4950-5490,mrna_for_kiaa0265_gene,_partial_cds_
d87455_4996-5542,mrna_for_kiaa0266_gene,_complete_cds
10 d87957cds_549-825:in_reversesequence,_1148-
1256,male_foreskin_fibroblast_dna_for_protein_involved_in
hg1699-ht1704_s_at_hg1699-ht1704_epimorphin
hg1751-ht1768_at_hg1751-ht1768_chorionic_somatotropin_hormone_cs-5
hg2228-ht2305_at_hg2228-ht2305_crystallin,_beta_b
15 hg2936-ht3080_at_hg2936-ht3080_immunoglobulin_heavy_chain,_enhancer_element
hg3132-ht3308_at_hg3132-ht3308_cea_family,_bi-like_domain
hg3227-ht3404_at_hg3227-ht3404_guanine_nucleotide-binding_protein_hsr1_
hg3286-ht3463_at_hg3286-ht3463_crystallin,_alpha_a
hg721-ht4828_s_at_hg721-ht4828_placental_protein_14,_endometrial_alphaglobulin,_altsplice_3_
20 hg907-ht907_at_hg907-ht907_mg44
hg921-ht3995_at_hg921-ht3995_serine/threonine_kinase,_receptor_2-2,_altsplice_3
all_j00301_342-715,parathyroid_(pth)_gene,_3'_end
j03910mrna_31-319,(clone_14vs)_metallothionein-ig_(mt1g)_gene,_complete_cds_
j04809mrna_1742-2216,cytosolic_adenylate_kinase_(ak1)_gene,_complete_cds
25 105624_910-1418,map_kinase_kinase_mrna,_complete_cds
110386_2036-2498,transglutaminase_e3_(tgase3)_mrna,_complete_cds
111238_2922-3445,platelet_membrane_glycoprotein_v_mrna,_complete_cds
118920exon#4_970-1461,mage-2_gene_exons_1-4,_complete_cds
119267_2335-2755,59_protein_mrna,_3'_end
30 122005_797-1349,ubiquitin_conjugating_enzyme_mrna,_partial_cds_
139874exon#5_778-1198,deoxycytidylate_deaminase_gene,_complete_cds
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m19684cds_912-1212:in_reversesequence,_3443-3539,alpha-1-antitrypsin-related_protein_gene_
m19720mrna#2_2659-3217,_l-myc_gene_(l-myc_protein)_extracted_froml-
35 myc_protein_gene,_complete_cds,_1
m19722_1843-2245,fgf_proto-oncogene_encoded_p55-c-fgr_protein,_complete_cds
m21142cds#1_889-1109:in_reversesequence,_1884-2122,_guanine_nucleotide-binding_protein_g-s-
alpha-3_g
m24594mrna_1077-1593,interferon-inducible_56_kd_protein_mrna,_complete_cds_

- m25393_1686-2253,protein_tyrosine_phosphatase_(ptpase)_mrna,_complete_cds
 m30607mrna_2131-2301:in_reversesequence,_2607,zinc_finger_protein_y-linked_(zfy)_mrna,_complete_cds_
 m36542mrna_1437-1832,lymphoid-specific_transcription_factor_mrna,_complete_cds_
5 m37457cds_2823-2990,na+,k+_#name?_catalytic_subunit_alpha-iii_isoform_gene,na+,k+_#name?_catalytic_s
 m58597_2260-2806,elam-1_ligand_fucosyltransferase_(elft)_mrna,_complete_cds
 m63391mrna_1637-2189,desmin_gene,_complete_cds
 m64752_2904-3150,glutamate_receptor_subunit_(gluh1)_mrna,_complete_cds_
10 m67439cds_941-1355,d5_dopamine_receptor_(drd5)_gene,_complete_cds
 m76665mrna_792-1332,11-beta-hydroxysteroid_dehydrogenase_(hsd11)_gene
 m77836_1239-1749,pyrroline_5-carboxylate_reductase_mrna,_complete_cds
 m81780cds#4_49-265:in_fullsequence,_3676-3940,_smpd1_gene_(acid_sphingomyelinase)_extracted_fromacid
15 m83667mrna_713-1143,nf-il6-beta_protein_mrna,_complete_cds
 m88579_1225-1615,zinc_finger_protein_(sre-zbp)_mrna,_3'_end
 m89796mrna_3128-3671,high_affinity_ige_receptor_beta_chain_gene,_complete_cds_
 m94065_1051-1417,dihydroorotate_dehydrogenase_mrna,_3'_end_
 m94856_163-619,fatty_acid_binding_protein_homologue_(pa-fabp)_mrna,_complete_cds_
20 m97796_88-595,helix-loop-helix_protein_(id-2)_mrna,_complete_cds_
 m97936_2354-2564,transcription_factor_isgf-3_mrna_sequence_
 s45630_108-612,_alpha_b-crystallin=rosenthal_fiber_component_[human,_glioma_cell_line,_mrna,_691_nt]
 s62696_39-
25 119,_ebv/c3d_receptor_{alternatively_spliced,_exons_8a,9,10}_{human,_jurkat_t_cells,_mrna_s79639_2588-
 3068,_ext1=putative_tumour_suppressor/hereditary_multiple_exostoses_candidate_gene_[humans82597mrna_9-507,_description:_udp-galnac:polypeptide_n-acetylgalactosaminyltransferase_gene_extract
30 u00946_1382-1916,clone_a9a2brb5_(cac)n/(gtg)n_repeat-containing_mrna_all_u01317_19502-63478:in_u01317cds#1_82-113,_epsilon-globin_gene_extracted_frombeta_globin_region_o
 u05572_2563-3028,lysosomal_alpha-mannosidase_(manb)_mrna,_complete_cds_
 u09366_2042-2540,zinc_finger_protein_znf133
35 u10689exon#3_939-1505,mage-5a_antigen_(mage5a)_gene,_complete_cds
 u16126_2216-2684,glutamate/kainate_receptor_subunit_(eaa4)_mrna,_complete_cds
 u23435_832-1319,abl_interactor(abi-2)_mrna,_complete_cds
 u28811_3404-3866,cysteine-rich_fibroblast_growth_factor_receptor_(cfr-1)_mrna,_complete_cds

- u36922_19-136:in_reversesequence, 205-
220,fork_head_domain_protein_(fkhf)_mrna, 3'_end/gb=u36922_/nt
u37055mrna_1680-2195,hepatocyte_growth_factor-like_protein_gene, complete_cds_
u37139mrna#1_596-998,beta_3-endonoxin_mrna, long_form_and_short_form, complete_cds_
5 u38175_719-1205,hur_rna_binding_protein_(hur)_mrna, complete_cds_
u42408_1997-2393,ladinin_(lad)_mrna, complete_cds
u43030_1121-1484,cardiotrophin-1_(ctf1)_mrna, complete_cds_
all_u44429_1151-1626,d53_(hd53)_mrna, partial_cds
u49082_1830-2370,transporter_protein_(gl7)_mrna, complete_cds
10 u49188_1187-1685,placenta_(diff33)_mrna, complete_cds
u53442_1615-2131,p38beta_map_kinase_mrna, complete_cds_
u59111_892-1444,dermatan_sulfate_proteoglycan(dspg3)_mrna, complete_cds_
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u70732mrna_1335-1899,glutamate_pyruvate_transaminase_(gpt)_gene, complete_cds_
15 u72512_4-196,b-
cell_receptor_associated_protein_(hbap)_alternatively_spliced_mrna, partial_3'_utr/gb
u79259_1214-1610,clone_23945_mrna, complete_cds
u82169_1613-2135,frizzled_homolog_(fzd3)_mrna, complete_cds
u83601mrna_58-
20 136,calpastatin_gene, exonsand_15, partial_cds/gb=u83601_/ntype=dna_/annot=mrna
v01514mrna_1440-1986,mrna_encoding_alpha-
fetoprotein_(afp)afp_is_a_major_serum_protein_(mg: 70000)_s
x12517cds_261-441:in_reversesequence, 480-660,mrna_for_u1_small_nuclear_rnp-
specific_c_protein
25 x15875cds_1176-1476:in_reversesequence, 1604-1622,mrna_for_camp_response_element_(cre-
bp1)_binding_p
all_x52889_24339-24440, gene_for_cardiac_beta_myosin_heavy_chain
all_x53390_2839-3093,mrna_for_upstream_binding_factor_(hubf)_
x53795mrna_1868-2003,r2_mrna_for_an_inducible_membrane_protein_
30 all_x60487_686-948,h4/h_gene_for_h4_histone
all_x63131_1996-2179,myl1_(pml)_mrna
all_x64037_1887-2200,mrna_for_rna_polymerase_ii_associated_protein_rap74_
x72879cds_3-52:in_reversesequence, 76-208,14a2ak_dna_sequence_
all_x73874_3675-4156,phkamrna_
35 x79067utr#1_1631-2165,erf-1_mrna_3'_end
all_x82434_589-1112,mrna_for_emerin
all_x86401_1686-2217,mrna_for_l-arginine:glycine_amidinotransferase
x90976_26-185,mrna_for_an_acute_myeloid_leukaemia_protein_(3917bp)_
x92098cds_368-560:in_reversesequence, 635-737,mrna_for_transmembrane_protein_rnp24

- x92972cds_585-885:in_reversesequence,_968-1148,mrna_for_protein_phosphatase_6_
x93499cds_285-591:in_reversesequence,_1241-1451,mrna_for_rab7_protein_
all_x93920_1520-2031,mrna_for_protein-tyrosine-phosphatase_(tissue_type:_foreskin)_
all_x95876_1330-1415,mrna_for_g-protein_coupled_receptor_
5 x99699cds_603-855:in_reversesequence,_939-1131,mrna_for_xiap_associated_factor-1
y08837_275-473:not_in_gb_record,mrna_for_rad51-like_protein/gb=y08837_/ntype=rna
y10210mma_55-433,mrna_for_cd22_protein/gb=y10210_/ntype=rna_
z23090cds_277-589:in_reversesequence,_1086-1098,mrna_for_28_kda_heat_shock_protein
all_z35307_2215-2636,mrna_for_endothelin-converting-enzyme_1_
10 z83806_25-283,mrna_for_axonemal_dynein_heavy_chain_(partial_id_hdhc9).
- Metagene 342
- j00139cds_68-506,dihydrofolate_reductase_gene
15 s76942_5-
311,_dopamine_d4_receptor_{exon_1}_[human,_brain_tumor_tissue,_mrna_partial_mutant,_386_nt
]
u09477_2707-3175,clone_53bp1_p53-binding_protein_mrna,_partial_cds_
u56102_1973-2537,adhesion_molecule_dnam-1_mrna,_complete_cds_
20 all_x04706_1122-1295,homeobox_gene_(clone_hho.c13)_
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all_x83301_1254-1471,sma5_mrna.
x83705mrna_67-535,mrna_for_c-sis_proto-oncogene
- 25** Metagene 122
- af000234_1038-1578,p2x_purinoreceptor_mrna,_complete_cds
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30 hg1071-ht1071_at_hg1071-ht1071_bone_morphogenetic_protein_
hg2028-ht2082_at_hg2028-ht2082_laminin,_a_polypeptide
hg3790-ht4060_at_hg3790-ht4060_immunoglobulin_heavy_chain,_fd_fragment_
hg884-ht884_s_at_hg884-ht884_oncogene_e6-ap,_papillomavirus
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35 l05425_1712-2162,autoantigen_mrna,_complete_cds_
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l20316_1565-2003,glucagon_receptor_mrna,_complete_cds
l40387cds_31-
433,thyroid_receptor_interactor_(trip14)_gene,_3'_end_of_cds/gb=l40387_/ntype=dna_/anno

- 140395mrna_861-1395,(clone_s20iii15)_mrna,_3'_end_of_cds
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 m24461exon#11_528-780,pulmonary_surfactant-associated_protein_sp-
 b_(sftp3)_mrna,_complete_cds
- 5** m32373mrna_2201-2753,arylsulfatase_b_(asb)_mrna,_complete_cds
 m33374mrna_19-427,cell_adhesion_protein_(sqm1)_mrna,_complete_cds
 m34667_3969-4305,phospholipase_c-gamma_mrna,_complete_cds
 m35416mrna_864-1302,gtp-binding_protein_(ralb)_mrna,_complete_cds
 m62958_2486-2942,retinal_degradation_slow_(rds)_mrna_
- 10** m64497_1307-1559,apolipoprotein_ai_regulatory_protein_(arp-1)_mrna,_complete_cds_
 m65214_492-997,(hela)_helix-loop-helix_protein_he47_(e2a)_mrna,_3'_end_
 m76125_2612-3170,tyrosine_kinase_receptor_(axl)_mrna,_complete_cds_
 m77144mrna_1332-1630,_3-beta-hydroxysteroid_dehydrogenase_gene_extracted_fromtype_ii_3-
 beta_hydroxys
- 15** m91463mrna_2634-3168,glucose_transporter_(glut4)_gene,_complete_cds_
 s69189_2575-3007,_peroxisomal_acyl-coenzyme_a_oxidase_[human,_liver,_mrna,_3086_nt]
 s76965_1718-2066,_protein_kinase_inhibitor_[human,_neuroblastoma_cell_line_sh-sy-
 5y,_mrna,_2147_nt]
 s77361_25-
- 20** 184,_transcript_ch132_[human,_rf1,rf48_stomach_cancer_cell_lines,_mrna,_216_nt]/gb=s77361_
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 u09414_1994-2462,zinc_finger_protein_znf137_mrna,_complete_cds_
 u16282_2336-2744,ell_mrna,_complete_cds
 u17163_1086-1644,transcription_factor_etv1_mrna,_complete_cds
- 25** u21551_728-1076,eca39_mrna,_complete_cds/gb=u21551/_ntype=rna
 u28749_3491-4033,high-mobility_group_phosphoprotein_isoform_i-
 c_(hmgic)_mrna,_complete_cds_
 u32519_1294-1708,gap_sh3_binding_protein_mrna,_complete_cds
 u60060_1090-1540,fez1_mrna,_complete_cds_
- 30** u64520_308-650,synaptobrevin-3_mrna,_complete_cds
 u87459_331-703,autoimmunogenic_cancer/testis_antigen_ny-eso-1_mrna,_complete_cds_
 u93553_1729-2251,alpha1-fetoprotein_transcription_factor_(hftf)_mrna,_complete_cds.
 x15376mrna_1216-1684,mrna_for_gaba-a_receptor,_gammasubunit_
 all_x51405_1974-2413,mrna_for_carboxypeptidase_e_(ec_3.4.17.10)
- 35** all_x51435_8408-8982,prdii-bf1_gene_for_a_dna-binding_protein
 x56411mrna_1990-2470,adh4_gene_for_ii_alcohol_dehydrogenase_(pi_subunit),_exon_1
 x56465cds_1607-2069:in_reversesequence,_3400,znf6_mrna_for_zinc_finger_transcription_factor_
 x59065exon_2834-3254,fgf_gene,_exon_3
 all_x63097_2195-2670,mrna_for_rhesus_polypeptide_(rhxihi)

all_x64624_2881-3429,mrna_for_rdc-1_pou_domain_containing_protein
 y10659cds_1011-1239;in_reversesequence,_1342-1552,il-13ra_mrna
 all_z18956_3398-3951,mrna_for_taurine_transporter

5 Metagene 31

d26155_4647-5214,mrna_for_transcriptional_activator_hsnf2a,_complete_cds_
 hg3412-ht3593_s_at_hg3412-ht3593_blue_cone_photoreceptor_pigment_
 j02758exon#3_568-980;in_reversesequence,_3307-3464,apolipoprotein_a-iv_gene,_complete_cds_
10 m13982mrna_7-508,interleukin(il-4)_mrna,_complete_cds_
 m26901cds_808-1187;in_reversesequence,_218-293,renin_gene_
 u03056_1988-2468,tumor_suppressor_(luca-1)_mrna,_complete_cds
 u16120_2267-2833,placental_taurine_transporter_mrna,_complete_cds
 x68285cds_886-976,mrna_for_glycerol_kinase_

15

Metagene 475

d31889_2835-3279,mrna_for_kiaa0072_gene,_partial_cds_
 d82326_2784-3312,mrna_for_na+-
20 independent_neutral_and_basic_amino_acid_transporter,_complete_cds_
 d82347_1949-2459,mrna_for_neurod,_complete_cds_
 all_j03756_527-783,growth_hormone-variant_(gh1)_and_growth_hormone-variant-
 2_(gh2)_mrna,_complete_cd
 l25270_5352-5856,xel69_mrna,_complete_cds
25 all_m13934_834-
 1309_rps14_gene_(unknown_protein)_extracted_fromribosomal_protein_s14_gene,_complete
 all_m16405_1994-2553,m4_muscarinic_acetylcholine_receptor_gene_
 all_m20543_2890-3542,skeletal_alpha-actin_gene,_complete_cds_
 m90359_2039-2519,camp-dependent_protein_kinase_(akap_79)_mrna,_complete_cds_
30 s81893_13-
 331_mesi3/15=extracellular_matrix_induced_gene_[human_endometrial_adenocarcinoma_cells_h
 u03851_1800-2220,capping_protein_alpha_mrna,_partial_cds_
 u30998_43-166,(nmd)_mrna,_3'_utr/gb=u30998_/ntype=rna
 u90910_1208-1724,clone_23564_mrna_sequence_
35 x00129cds_332-566;in_reversesequence,_671-851,mrna_for_retinol_binding_protein_(rbp)
 x99101cds_1121-1409;in_reversesequence,_1439-1535,mrna_for_estrogen_receptor
 all_y09858_1990-2483,mrna_for_unknown_protein
 y12856_182-668,mrna_for_amp-activated_protein_kinase_alpha-1,_partial/gb=y12856_/ntype=rna_

Metagene 436

- d31884_2579-3023,mrna_for_kiaa0063_gene,_complete_cds
d63998_3542-4046,mrna_for_golgi_alpha-mannosidaseii,_complete_cds
- 5** 113740_2002-2047,tr3_orphan_receptor_mrna,_complete_cds
113852_2790-3270,ubiquitin-activating_enzyme_e1_related_protein_mrna,_complete_cds
113972_1930-2224,beta-galactoside_alpha-2,3-sialyltransferase_(sialt4a)_mrna,_complete_cds
135475cds_642-888:in_reversesequence,_1441-1675,olfactory_receptor-like_gene,_complete_cds
140366mrna_31-223,thyroid_receptor_interactor_(trip2)_mrna,_partial_cds/gb=140366/_ntype=rna
- 10** m18391_2780-3147,tyrosine_kinase_receptor_(eph)_mrna,_complete_cds
m27826mrna_464-1025,endogenous_retroviral_protease_mrna,_complete_cds
m31165mrna_843-1353,tumor_necrosis_factor-inducible_(tsg-6)_mrna_fragment,_adhesion_receptor_cd44_pu
m59371mrna_3386-3878,protein_tyrosine_kinase_mrna,_complete_cds
- 15** m83308_31-343,mitochondrial_cytochrome-c_oxidase_subunit_via_(cox6a)_mrna,_complete_cds
s80335_2197-2719,_integrin_betasubunit_[human,_mrna,_2798_nt]
s82024_20-548,_scg10=neuron-specific_growth-associated_protein/stathmin_homolog_[human,_embryo,_mrna
all_s83366_910-
- 20** 2840,_region_centromeric_to_t(12;17)_breakpoint:_orf1/unknown_43_amino_acid_transcrip
u15172_619-967,nip1_(nip1)_mrna,_complete_cds
u56998_1628-2048,putative_serine/threonine_protein_kinase_prk_(prk)_mrna,_complete_cds
u89336exon#30-33_48-
208:in_reversesequence,_22261:not_in_gb_record,_unknown_gene_extracted_fromhla_i
- 25** all_x51602_7115-7680,flt_mrna_for_receptor-related_tyrosine_kinase_
all_x52005_476-969,skeletal_embryonic_myosin_light_chain(mlc1)_mrna_
x62535mrna_1975-2515,mrna_for_diacylglycerol_kinase
all_x89985_1010-1389,mrna_for_bcl7b_protein
x90761mrna_1365-1683,hha2_gene_
30 all_x92762_1360-1883,mrna_for_tafazzins_protein

Metagene 310

- hg3319-ht3496_s_at_hg3319-ht3496_split_geneenhancer,_tup1-like
- 35** hg4480-ht4833_at_hg4480-ht4833_collagen,_type_vi,_alpha_2,_n-terminal_domain_
132163_1998-2380,zinc_finger_protein_mrna,_3'_end_
134219exon#7_26-452:not_in_gb_record,retinaldehyde-binding_protein_(cralbp)_gene,_complete_cds_

- m34181_2356-2872,testis-specific_camp-dependent_protein_kinase_catalytic_subunit_(c-beta_isoform)_mr
u17195_1567-2143,a-kinase_anchor_protein_(akap100)_mrna,_complete_cds
u20647_232-736,zinc_finger_protein_(znf151)_mrna,_partial_cds
5 u22815_3771-3923,lar-interacting_protein_1a_mrna,_complete_cds_
u25265_1758-2052,mek5_mrna,_complete_cds_
all_u48405_1076-1650,g_protein_coupled_receptor_ogr1_gene,_complete_cds
u48730_2629-2690,transcription_factor_stat5b_(stat5b)_mrna,_complete_cds.
u79280_795-1359,clone_23575_mrna,_partial_cds
10 u82320_546-1050,unknown_protein_mrna,_partial_cds/gb=u82320_/ntype=ma_
u89717_635-1151,9-cis-retinol_specific_dehydrogenase_mrna,_complete_cds
u89896_1184-1688,casein_kinase_i_gammamrna,_complete_cds
x56654mrna_3221-3641,dsg1_mrna_for_desmoglein_type_1_
all_x96849_49-323,5'_mma_of_pecan-1_molecule/gb=x96849_/ntype=rna_
15
Metagene 159

d78514cds_73-409:in_reversesequence,_511-565,mrna_for_ubiquitin-conjugating_enzyme,_complete_cds
20 m30448mrna_1936-2447,casein_kinase_ii_beta_subunit_mrna,_complete_cds
all_x74794_2662-2906,p1-cdc21_mrna_

Metagene 91

25 d50402_1972-2533,mrna_for_nramp1,_complete_cds_
d64159_2585-2828,mrna
m98399_1688-2165,antigen_cd36_(clone_21)_mrna,_complete_cds
u29343_2203-2731,hyaluronan_receptor_(rhamm)_mrna,_complete_cds
u52960_186-630,rna_polymerase_ii_complex_component_srb7_mrna,_complete_cds_
30 all_x82835_5995-6350,mrna_for_voltage-activated_sodium_channel_

Metagene 81

d78335_242-770,mrna_for_5'-terminal_region_of_umk,_complete_cds_
35 hg2724-ht2820_at_hg2724-ht2820_oncogene_tls/chop_fusion_activated_
109234_2517-3075,vacuolar_atpase_(isoform_ho68)_mrna,_complete_cds_
all_x02751_1835-2430,n-ras_mrna_and_flanking_regions_

Metagene 394

- d38537_1174-1689,mrna_for_protoporphyrinogen_oxidase,_complete_cds.
d50692_31-469,mrna_for_c-myc_binding_protein,_complete_cds_
d86062_286-862,mrna_for_knp-ib,_complete_cds_
5 107548_886-1390,aminoacylase-1_(acy1)_mrna,_complete_cds_
148546exon#1-4_54-264:not_in_gb_record,tuberin_(tsc2)_gene_
176517_2497-2977,(clone_cc44)_senilin(ps1;s182)_mrna,_complete_cds
u79252_1026-1530,clone_23679_mrna,_complete_cds
u80040_2167-2647,nuclear_aconitase_mrna,_encoding_mitochondrial_protein,_complete_cds
10 x12492cds_1087-1474:in_reversesequence,_1544-1718,mrna_for_caat-
box_binding_transcription_factor_ctf
x57398mrna_3503-4007,mrna_for_pm5_protein
all_x59766_583-1166,mrna_for_zn-alpha2-glycoprotein
all_x77794_1678-2171,mrna_for_cyclin_g1
15 all_z31695_2159-2592,mrna_for_43_kda_inositol_polyphosphate_5-phosphatase
- Metagene 231
- k02215mrna#2_1510-2026,angiotensinogen_mrna,_complete_cds
20 138969cds_2517-2835:in_reversesequence,_2946-2964,thrombospondin(thbs3)_gene,_complete_cds
all_u33838_62-95,nf-kappa-
b_p65delta3_mrna,_spliced_transcript_lacking_exonsand_7,_partial_cds/gb=u3
u79241_849-1347,clone_23759_mrna,_partial_cds
- 25** Metagene 468
- 107594_3847-4159,transforming_growth_factor-beta_type_iii_receptor_(tgf-
beta)_mrna,_complete_cds_
all_u18422_1719-2254,dp2_(humdp2)_mrna,_complete_cds_
30
- Metagene 292
- l20814_2826-3306,glutamate_receptor(hbgr2)_mrna,_complete_cds_
u79260_1035-1341,clone_23745_mrna,_complete_cds
35
- Metagene 40
- d49487_32-512,mrna_for_obese_gene,_complete_cds
hg2148-ht2218_f_at_hg2148-ht2218_mucin_3,_intestinal_

- hg2239-ht2324_r_at_hg2239-ht2324_potassium_channel_protein_
hg3725-ht3981_s_at_hg3725-ht3981_insulin-like_leydig_hormone_
hg406-ht406_at_hg406-ht406_p97_antigen_melanoma-specific
hg4113-ht4383_s_at_hg4113-ht4383_olfactory_receptor_or17-201_
5 hg4593-ht4998_at_hg4593-ht4998_sodium_channel_
hg960-ht960_at_hg960-ht960_guanine_nucleotide_exchange_factor_
k03498cds#1_2-163_pol_protein_fromendogenous_retrovirus_herv-
k22_pol_and_envelope_orf_region/gb=k03
110615mrna_502-528,beta_casein (csn2)_gene,_complete_cds
10 138490mrna_785-1319,adp-ribosylation_factor_mrna,_complete_cds
all_m13485_188-243:in_m13485cds_47:not_in_gb_record,metallothionein_i-b_gene_
all_m55418_2452-2650,amelogenin (amelx)_gene,_3'_end_of_cds
m84820_1155-1709,retinoid_x_receptor_beta (rxr-beta)_mrna,_complete_cds
all_m86406_3670-4169,skeletal_muscle_alphaactinin (actn20)_mrna,_complete_cds_
15 m92424_1822-2209,p53-associated_mrna,_complete_cds_
s57212_1561-2027,hmef2c=myocyte_enhancer-
binding_factor[human,_skeletal_muscles,_mrna,_2161_nt]_
s72493_617-
819,_keratin=keratinhomolog [human,_tracheobronchial_epithelial_cells,_mrna_partial,_976_
20 s77893_121-203,gpsat=glycophorin_sat [human,_peripheral_bloods,_mrna_partial,_407_nt]
all_s78653_1782-2347,mrg=mas-related [human,_genomic,_2416_nt]_
u14577_974-1504,microtubule-associated_protein_1a (map1a)_mrna,_complete_cds_
u16296_4938-5478,t-
lymphoma_invasion_and_metastasis_inducing_tiam1_protein (tiam1)_mrna,_complete_cd
25 u23852_1523-2066,t-
lymphocyte_specific_protein_tyrosine_kinase_p56lck (lck)_abberant_mrna,_complete_
all_u28055_2678-3165,hepatocyte_growth_factor-
like_protein_homolog (dlf15s1a)_mrna,_partial_cds
u40002_3192-3701,hormone-sensitive_lipase_testicular_isoform_mrna,_complete_cds
30 u48865cds_400-807:in_reversesequence,_3499,c/ebp_epsilon (cebpe)_gene,_complete_cds_
u52077cds_428-
982,mariner1_transposase_gene,_complete_consensus_sequence/gb=u52077_/ntype=dna_/annot
u57971_3646-4130,calcium_atpase_isoform_3x/a_mrna,_complete_cds
u59058_8-508,beta-a3/a1_crystallin (cyrba3/a1)_mrna,_partial_cds_
35 u74667_1599-2067,tat_interactive_protein (tip60)_mrna,_complete_cds
u79275_509-989,clone_23947_mrna,_partial_cds.
u80226_1440-1476,gamma-
aminobutyric_acid_transaminase_mrna,_partial_cds/gb=u80226_/ntype=rna_
u82467_2667-3213,tub_homolog (tub)_mrna,_complete_cds

- u89336exon#54_51-
 369:not_in_gb_record_unknown_gene_extracted_fromhla_iii_region_containing_notch4_g
 u89336exon#65_12-282:in_reversesequence,_54136-
 54166:not_in_gb_record_unknown_gene_extracted_fromhl
- 5 u92436_2591-3077,mutated_in_multiple_advanced_cancers_protein_(mmac1)_mrna,_complete_cds.
 x03072cds_765-1089:in_reversesequence,_3505-3649,int-1_mammary_oncogene_
 x04707cds_815-1343:in_reversesequence,_1649-1673,c-erb-a_mrna_for_thyroid_hormone_receptor
 all_x07203_1419-1576,mrna_for_cd20_receptor_(s7)_
 all_x16866_688-1280,mrna_for_cytochrome_p-450iid_(clone_pmp33)_
- 10 all_x51823_2-51,mrna_for_b-
 subunit_of_coagulation_factor_xiii_(fxiiib)_(partial)/gb=x51823_/ntype=rn
 x52008cds_899-1325:in_reversesequence,_1748-1814,alpha-
 2_strychnine_binding_subunit_of_inhibitory_gl
 x58431mrna#1_1781-2299,_hox_2.2_gene_extracted_fromhox2.2_gene_for_a_homeobox_protein_
- 15 x61072mrna_43-325,mrna_for_t_cell_receptor,_clone_igra17.
 all_x62466_25-410,mrna_for_campath-1_(cdw52)_antigen_
 all_x68314_466-923,mrna_for_glutathione_peroxidase-gi
 x80923mrna_31-361,nov_gene/gb=x80923_/ntype=dna_/annot=mrna
 all_x89059_722-1203,mrna_for_unknown_protein_expressed_in_macrophages
- 20 x90763_1272-1632,mrna_for_type_i_keratin,_hha5_
 x91103cds_587-965:in_reversesequence,_1055-1097,mrna_for_hr44_protein/gb=x91103_/ntype=rna
 all_z11737_1537-2120,mrna_for_flavin-containing_monooxygenase_4
 z15114cds_1319-1589:in_reversesequence,_1595-
 1805,mrna_for_protein_kinase_c_gamma_(partial)_
- 25 all_z48482_2998-3401,mrna_for_membrane-type_matrix_metalloproteinase_2_
 all_z80783_510-565,h2b/l_gene
 all_z83336_618-702,hh2b/d_gene.
 z83821cds#2_1428-1668:in_reversesequence,_39964-
 40156,dna_sequence_from_pac_296k21_on_chromosome_x_c
- 30 Metagene 433
- af000573mrna_1162-1666,homogentisate_1,2-dioxygenase_gene,_complete_cds.
 d45399mrna_155-
- 35 629,adult_neural_retina_mrna_forcone_cgmp_phosphodiesterase_gamma_subunit,_complete_c
 hg4557-ht4962_r_at_hg4557-ht4962_small_nuclear_ribonucleoprotein_u1,_lsnrp_
 k03189cds_2-404,chorionic_gonadotropin_beta_subunit_gene_
 all_l43579_398-
 428,(clone_110298)_mrna/gb=l43579_/ntype=rna,(clone_110298)_mrna/gb=l43579_/ntype=rna

- all_m17236_1896-2224,mhc_ii_hla-dq-alpha_gene_(dr4,w6),mhc_ii_hla-dq-alpha_gene_(dr4,w6)
 all_m17236_1896-2224,mhc_ii_hla-dq-alpha_gene_(dr4,w6),mhc_ii_hla-dq-alpha_gene_(dr4,w6)
 m60828_3252-3720,keratinocyte_growth_factor_mrna,_complete_cds_
 s76853_1683-2244,_cerebrin-
- 5** 50=cerebrospinal_fluid_protein_[human,_cerebral_brain,_mrna,_2295_nt]
 u43189_2384-2942,ets_transcription_factors_nerf-1a_and_nerf-1b_(nerf-1a,b)_mrna,_complete_cds
 v00571mrna_714-1218,gene_encoding_prepro_form_of_corticotropin_releasing_factor_
 all_x04571_4306-4835,mrna_for_kidney_epidermal_growth_factor_(egf)_precursor_
 x61755mrna_1020-1562,hox3d_gene_for_homeoprotein_hox3d
- 10** all_x66403_1856-2301,mrna_for_acetylcholine_receptor_(epsilon_subunit)_
 x80695cds_938-1250:in_reversesequence,_1298-1496,oxalhs_mrna_
 all_z22535_2433-2932,alk-3_mrna
 z50781cds_100-205:in_reversesequence,_346-394,mrna_for_leucine_zipper_protein_
- 15** Metagene 320
- d17400_196-622,mrna_for_6-pyruvoyl-tetrahydropterin_synthase,_complete_cds_
 d38498_37-604,pms5_mrna_(yeast_mismatch_repair_gene_pms1_homologue),_partial_cds_(c-
 terminal_region)
- 20** hg3991-ht4261_r_at_hg3991-ht4261_cpg-enriched_dna_clone_e18_
 j05500mrna#1_6200-6740,beta-spectrin_(sptb)_mrna,_complete_cds_
 l13689mrna_2674-3076,prot-oncogene_(bmi-1)_mrna,_complete_cds
 u18291_1439-1973,cdc16hs_mrna,_complete_cds
 u22662_1017-1473,nuclear_orphan_receptor_lxr-alpha_mrna,_complete_cds
- 25** u35100_330-915,complexin_ii_mrna,_complete_cds.
 x05855cds_12-65:not_in_gb_record,histone_h3.3_gene_exon_2,histone_h3.3_gene_exon_2_
 all_x63597_5486-5979,si_mrna_for_sucrase-isomaltase
 all_x68486_2465-2934,mrna_for_a2a_adenosine_receptor_
 all_z23091_6853-7358,gpv_gene_encoding_platelet_glycoprotein_v_precursor
- 30** Metagene 246
- hg2380-ht2476_s_at_hg2380-ht2476_adp-ribosylarginine_hydrolase_
 m35252_602-998,co-029
- 35** u59325_2353-2815,cadherin-14_mrna,_complete_cds
 y12812cds_486-768:in_reversesequence,_914-1130,rfxap_mrna_
 Metagene 46

- af000424_214-610,lst1_mrna,_clst1/c_splice_variant,_complete_cds
d30036_1743-2283,mrna_for_phosphatidylinositol_transfer_protein_(pi-tpalpha),_complete_cds_
d64109_642-1152,mrna_for_tob_family,_complete_cds
111672_3266-
- 5** 3562,kruppel_related_zinc_finger_protein_(htf10)_mrna,_complete_cds,kruppel_related_zinc
115326_2760-3323,endoperoxide_synthase_type_ii_mrna,_complete_cds
m27543mrna_2548-3070,guanine_nucleotide-
binding_protein_(gi)_alpha_subunit_mrna,_complete_cds
m29335_2-180,mhc_ii_do-alpha_mrna,_partial_cds,mhc_ii_do-alpha_mrna,_partial_cds
- 10** m95178_2567-2996,non-muscle_alpha-actinin_mrna,_complete_cds_
u37248_848-1304,alpha-mannosidase_(6a8)_mrna,_complete_cds_
u42387_1180-1642,pancreatic_polypeptide_receptor_mrna,_complete_cds
u49957_5044-5581,lim_protein_(lpp)_mrna,_partial_cds_
u66661_2656-3082,gaba-a_receptor_epsilon_subunit_mrna,_complete_cds
- 15** u77665_393-873,masep_protein_p30_(rpp30)_mrna,_complete_cds.
u78524_1571-1967,gu_binding_protein_mrna,_partial_cds
u90904_1102-1342,clone_23773_mrna_sequence_
x01630cds_883-1213:in_reversesequence,_1312-1468,mrna_for_argininosuccinate_synthetase
x04143cds_49-265:in_reversesequence,_1430-1592,gene_for_bone_gla_protein_(bgs)
- 20** all_x16832_840-1381,mrna_for_cathepsin_h_(ec_3.4.22.16)
all_x54936_1140-1627,mrna_for_placenta_growth_factor_(plgf)
all_x70683_2322-2752,mrna_for_sox-4_protein
all_x85545_1122-1591,mrna_for_protein_kinase,_pkx1_
all_x90392_2058-2545,mrna_for_dnase_x_gene_
- 25** z32765exon_79-159,cd36_gene_exon/gb=z32765_/ntype=dna_/annot=exon
- Metagene 318
- 30** hg3111-ht3287_at_hg3111-ht3287_autoantigen_
m57230_2652-3000,membrane_glycoprotein_gp130_mrna,_complete_cds
all_x68487_1174-1667,mrna_for_a2b_adenosine_receptor_
all_x89430_1828-2333,mrna_for_methyl_cpg_binding_protein_2_
z18951cds_311-509:in_reversesequence,_627-813,mrna_for_caveolin_
- 35** Metagene 424
- hg311-ht311_at_hg311-ht311_ribosomal_protein_l30_
m26167mrna_385-730,platelet_factorvaration(pf4var1)_gene,_complete_cds

- m28219_7-
 253,low_density_lipoprotein_receptor_(fhmutant_causing_familial_hypercholesterolemia)_mrna,
 m57892mrna_775-1267,carbonic_anhydrase_isozyme_vi_(ca6)_mrna,_complete_cds_
 u09303_2354-2870,t_cell_leukemia_lerk-2_(eplg2)_mrna,_complete_cds_
5 v00594mrna_15-316,mrna_for_metallothionein_from_cadmium-
 treated_cells,mrna_for_metallothionein_from_
 x59871mrna_2672-2836,tcf-1_mrna_for_t_cell_factor(splice_form_c)
 z47556mrna#2_1596-
 1866,_semenogelin_ii_gene_extracted_fromgenes_for_semenogelin_i_and_semenogelin_ii
10 Metagene 324
 d29810_835-1363,mrna_for_unknown_product,_partial_cds
 l76224_3424-3970,nmda_receptor_mrna,_complete_cds_
15 all_m24349_838-1316,parathyroid_hormone-like_protein_(plp)_gene,_exon_4,_clones_lambda-
 plpg(1,3,7-2)
 s81944_1173-1689,_gamma-
 aminobutyric_acid_type_a_receptor_alphasubunit_[human,_cerebellum,_mrna_part
 all_u03642_1060-1565,g_protein-coupled_receptor_apj_gene,_complete_cds_
20 all_u06155_512-
 660,chromosome_1q_subtelomeric_sequence_dls553/gb=u06155_/ntype=dna_/annot=cds,chromo
 u19557_998-1104,squamous_cell_carcinoma_antigen(scca2)_mrna,_complete_cds_
 u32659_1393-1825,il-17_mrna,_complete_cds
 u43519_2976-3474,dystrophin-related_protein(drp2)_mrna,_complete_cds
25 u88902_cds1_f_at_u88902_u88902,_40_in_u88902cds#1_19-247:_21_in_reversesequence,_289-
 499,_integrase_
 x80915mrna_1908-2322,gdf5_gene
 y10205mrna_146-548,mrna_for_cd88_protein/gb=y10205_/ntype=rna
30 Metagene 204
 d42040_4334-4623,mrna_for_kiaa9001_gene,_complete_cds
 u07695_3362-3770,tyrosine_kinase_(htk)_mrna,_complete_cds
 u19252_4495-5045,putative_transmembrane_protein_mrna,_complete_cds_
35 u32680_1088-1664,cln3_mrna,_complete_cds_
 u80073_1289-1655,tip_associating_protein_(tap)_mrna,_complete_cds/gb=u80073_/ntype=rna_
 x06745mrna_4850-5288,mrna_for_dna_polymerase_alpha-subunit_
 all_x52896_1629-2195,rna_for_dermal_fibroblast_elastin_
 x53742mrna_1930-2470,mrna_for_fibulin-1_b

x54667cds_110-326,mrna_for_cystatin_s,mrna_for_cystatin_s_
 x59303cds_3274-3773,g7a_mrna_for_valyl-trna_synthetase_
 x64728cds_1694-1946:in_reversesequence,_2140-2278,chml_mrna
 x79440cds_1303-1759:in_reversesequence,_1827-1851,mrna_for_nadp+-dependent_malic_enzyme_
5 all_x97198_5010-5545,mrna_for_receptor_phosphate_pcp-2_
 all_x99975_3672-4243,mrna_for_htrr/hgcnf_protein_
 y08612cds_1849-2197:in_reversesequence,_2257-2269,mrna_for_nup88_protein
 y10514mrna_6-270,mrna_for_cd152_protein/gb=y10514_/ntype=rna_
 all_z80788_607-1040,h4/l_gene

10

Metagene 101

d13814_960-1532,mrna_for_angiotensin_ii_type_1b_receptor,_complete_cds_
 m63175_1221-1689,autocrine_motility_factor_receptor_mrna_
15 u22029_1690-2227,cytochrome_p450_(cyp2a7)_mrna,_complete_cds_
 x13930cds_1147-1454:in_reversesequence,_1650-1695,cyp2a4_mrna_for_p-450_ia4_protein
 x63187mrna_91-511,he4_mrna_for_extracellular_proteinase_inhibitor_homologue

Metagene 177

20

hg1148-ht1148_at_hg1148-ht1148_lipopolysaccharide-binding_protein
 hg2309-ht2405_at_hg2309-ht2405_insulin-like_growth_factor_ib_
 u70370_1511-2012,hindlimb_expressed_homeobox_protein_backfoot_(bft)_mrna,_complete_cds_
 all_x15573_2313-2800,liver-type_1-phosphofructokinase_(pfkl)_mrna,_complete_cds
25 x66365cds_543-957:in_reversesequence,_1080-
 1206,mrna_plstire_for_serine/threonine_protein_kinase
 all_x85786_1751-2262,mrna_for_dna_binding_regulatory_factor
 x86564cds_417-446:not_in_gb_record,fhr-2_gene,_exon_1_
 all_x95240_1487-2056,mrna_for_cysteine-rich_secretory_protein-3

30

Metagene 52

hg2841-ht2969_s_at_hg2841-ht2969_albumin_altsplice_3_missplicing_in_alloalbumin_venezia
 hg3417-ht3600_s_at_hg3417-ht3600_gtp_cyclohydrolase_i_altsplice_1_
35 j05008exon#5_637-1183,endothelin-1_(edn1)_gene,_complete_cds
 u44105_314-574,rab9_expressed_pseudogene_mrna,_complete_cds
 all_x04602_920-1086,mrna_for_interleukin_bsf-2_(b-cell_differentiation_factor)_

Metagene 93

- d85423_133-439,mrna_for_cdc5,_partial_cds/gb=d85423_/ntype=rna_
u23070_938-1460,putative_transmembrane_protein_(nma)_mrna,_complete_cds
all_x52001_1770-2281,endothelinmrna_
- 5 x83863cds_1151-1241,mrna_for_prostaglandin_e_receptor_(ep3f)_
z34822_f_at_z34822_z34822_4040_in_z34822_6145-6595,(hlcc85)_mrna_for_voltage-
dependent_l-type_ca_ch
- Metagene 421
- 10 hg3255-ht3432_at_hg3255-ht3432_gamma-aminobutyric_acid_(gaba)_a_receptor_betasubunit
hg4108-ht4378_at_hg4108-ht4378_olfactory_receptor_or17-24
m22490_1282-1630,bone_morphogenetic_protein-2b_(bmp-2b)_mrna_
m95925_1366-1852,leucine_zipper_on_the_d14s46e_locus_mrna,_complete_cds
- 15 u27333_2523-
2728,alpha_(1,3)_fucosyltransferase_(fut6)_mrna,_major_transcript_i,_complete_cds,alpha_
u35735_2115-2442,rach1_(rach1)_mrna,_complete_cds
u44799_299-860,u1-snrnp_binding_protein_homolog_mrna,_complete_cds_
- 20 Metagene 371
- d86096_cds6_at_d86096_d86096,not_in_gb_record,_ep3-
iv_gene_extracted_fromdna_for_prostaglandin_e_rec
s62907_1577-2136,_gamma-
25 aminobutyric_acida_receptor_alphasubunit_[human,_fetal_brain,_mrna,_2189_nt]
u33920_2564-2644,clone_lambdasemaphorin_mrna,_complete_cds
u87309_4315-4843,hvps41p_(hvps41)_mrna,_complete_cds_
u96114_2964-3390,nedd-4-like_ubiquitin-protein_ligase_wwp2_mrna,_complete_cds.
all_x82018_2942-3459,mrna_for_zid_protein
- 30 Metagene 306
- hg3238-ht4861_s_at_hg3238-ht4861_prostaglandin_ep3_receptor,_altsplce_8_
s72904_1884-
35 2322,_apk1_antigen=mab_ki_recognized_[human,_ovarian_carcinoma_cell_line_ovcar-3,_mrna,_
u45285_2099-2579,specific_116-kda_vacuolar_proton_pump_subunit_(oc-
116kda)_mrna,_complete_cds
u80017mrna#1_412-
673,_btf2p44_gene_(basic_transcription_factorp44)_extracted_frombasic_transcription

x01057mrna_1492-1738,mrna_for_interleukin-2_receptor_
 x95592_558-1122,mrna_for_c1d_protein_
 x97301mrna_13-148,mrna_for_ptg-11_protein/gb=x97301_/ntype=rna_

5 Metagene 479

- ab002318_6384-6786,mrna_for_kiaa0320_gene_partial_cds/gb=ab002318_/ntype=rna
 ac000099_12194-12426:in_ac000099cds_519-556:in_all_ac000099_12207_cosmid_g0771a003_
 af010193_2552-3044,mad-related_gene_smad7_(smad7)_mrna_complete_cds
- 10 d13634_1915-2419,mrna_for_kiaa0009_gene_complete_cds
 d17516_1075-1615,mrna_for_pacap_receptor_complete_cds_
 d61391_1169-1685,mrna_for_phosphoribosypyrophosphate_synthetase-associated_protein_39_complete_cds
 d78011_1552-2098,mrna_for_dihydropyrimidinase_complete_cds
- 15 d83920_732-1158,uterus_mrna_forficolin-1_complete_cds
 hg1723-ht1729_at_hg1723-ht1729_macrophage_scavenger_receptor_altsplice_2
 hg315-ht315_at_hg315-ht315_beta-1-glycoprotein_11_pregnancy-specific
 hg3242-ht3419_s_at_hg3242-ht3419_calcium_channel_voltage-gated_alpha_1e_subunit_altsplice_2
- 20 j03798_1026-1536,autoantigen_small_nuclear_ribonucleoprotein_sm-d_mrna_complete_cds_
 l01664_43-529,eosinophil_charcot-leyden_crystal_(clc)_protein_(lysophospholipase)_mrna_complete_cds
 l03411_798-1260,rd_protein_(rd)_mrna_complete_cds_
 all_l05512_1285-1313:not_in_gb_record,histatin(his1)_gene
- 25 l25441_1410-1890,geranylgeranyltransferase_type_i_beta-subunit_mrna_complete_cds
 l26081_1959-2487,semaphorin-iii_(hsema-i)_mrna_complete_cds
 l38929mrna_5668-6190,protein_tyrosine_phosphatase_delta_mrna_complete_cds
 l40586_1123-1255,iduronate-2-sulphatase_(ids)_mrna_complete_cds
 l41066_2321-2831,nf-at3_mrna_complete_cds
- 30 l76670_502-1071,nkat7_mrna_complete_cds
 m58297_2215-2653,zinc_finger_protein_42_(mzf-1)_mrna_complete_cds_
 m91036mrna#1_37-529_g-gamma_globin_gene_extracted_fromg-gamma_globin_and_a-gamma_globin_genes_comp
 m95724_2549-2939,centromere_autoantigen_c_(cenpc)_mrna_complete_cds_
- 35 s78203_2096-2660_pept_2=h+/peptide_cotransporter_[human_kidney_mrna_partial_2685_nt]
 s83365_109-343_putative_rab5-interacting_protein_{clone_11-94}_[human_hela_cells_mrna_partial_36
 u07223mrna_1930-2410,beta2-chimaerin_mrna_complete_cds
 u18932_4216-4756,heparan_sulfate-n-deacetylase/n-sulfotransferase_mrna_clone_hsst3'_3'_utr

- u26032_2176-2596,translation_initiation_factor_eif-2alpha_mrna_3'_utr_
u32581_2488-2884,lambda/iota-protein_kinase_c-interacting_protein_mrna_complete_cds_
u52700_70-328,tenascin-x_(xb)_mrna_race_clone_n1_partial_cds/gb=u52700_/ntype=rna
u62438_1545-1875,nicotinic_acetylcholine_receptor_beta3_subunit_precursor_mrna_complete_cds
- 5** u67932mrna_1128-
1700,camp_phosphodiesterase_(pde7a2)_mrna_complete_cds/gb=u67932_/ntype=rna_
u68488_1013-1397,5-hydroxytryptamine7_receptor_isoform_d_mrna_complete_cds
u85267_7-
145,down_syndrome_critical_region(dscr1)_gene_alternative_exon_1_partial_cds/gb=u85267_/n
- 10** all_x16667_1634-1917,hox2g_mrna_from_the_hox2_locus
all_x74987_2208-2684,mrna_for_2'-5'_oligoadenylate_binding_protein
all_x76040_2954-3309,mrna_for_lon_protease-like_protein
x76498exon#3_63-369:in_reversesequence_2899-3043,gene_for_uterine_bombesin_receptor
all_x78520_3490-3935,hsapiens_rna_for_clcn3
- 15** all_x81636_2127-2329,clathrin_light_chain_a_gene_
all_x81637_5805-5938,clathrin_light_chain_b_gene_
all_x91992_1340-1929,mrna_for_alkb_protein_homolog_
x93017exon_1293-1797,ncx2_gene_(exon_2)/gb=x93017_/ntype=dna_/annot=exon_
all_x96753_7313-7896,mrna_for_melanoma-associated_chondroitin_sulfate_proteoglycan_(mcsp)
- 20** all_y00064_1931-2418,mrna_for_secretogranin_i_(chromogranin_b)_
y08991cds_3846-4038:in_reversesequence_4743-4845,mrna_for_adaptor_protein_p150_
z34897_1138-1654,mrna_for_h1_histamine_receptor
- Metagene 239*
- 25** ab000409_2046-2538,mrna_for_mnk1_complete_cds_
af000430_1941-2427,dynamin-like_protein_mrna_complete_cds
af009426_7540-8044,clone_22_mrna_alternative_splice_variant_beta-
1_complete_cds/gb=af009426_/ntype
- 30** d14660_739-1249,mrna_for_kiaa0104_gene_complete_cds_
d14878_1001-1499,mrna_for_protein_d123_complete_cds_
d38251_642-1149,mrna_for_rpb5_(xap4)_complete_cds_
d50678_3909-4413,mrna_for_apolipoprotein_e_receptor_2_complete_cds
d87448_4763-5183,mrna_for_kiaa0259_gene_partial_cds_
- 35** hg1102-ht1102_at_hg1102-ht1102_ras-related_c3_botulinum_toxin_substrate
hg3400-ht3579_at_hg3400-ht3579_nestin
hg4120-ht4392_s_at_hg4120-ht4392_protein_kinase_pitslre_alpha_altsplice_1-feb
hg944-ht944_s_at_hg944-ht944_dopamine_receptor_d4
j03626mrna#1_1151-1653,umps_gene_extracted_fromump_synthase_mrna_complete_cds_

- 102547_1290-1752,(clone_pz50-19)_cleavage_stimulation_factor_50kda_subunit_complete_cds
 177864_2060-2618,stat-like_protein(fe65)_mrna_complete_cds_
 m29580mrna_1813-2326,zinc-finger_protein(zfp7)_mrna_complete_cds_
 m81181_2360-2731,sodium/potassium_atpase_beta-2_subunit(atpb2)_mrna_complete_cds_
 5 s81221_2246-2546,_lanosterol_synthase[human,_fetal_liver,_mrna_partial,_2637_nt]
 u07349_2331-2805,b_lymphocyte_serine/threonine_protein_kinase_mrna_complete_cds_
 u36221_1562-1814,pancreatic_zymogen_granule_membrane_protein_gp-2_mrna_complete_cds_
 u36787_491-995,putative_holocytochrome_c-type_synthetase_mrna_complete_cds
 u38864_1766-2186,zinc-finger_protein_c2h2-150_mrna_complete_cds_
 10 u40271_3598-3999,transmembrane_receptor_precursor(ptk7)_mrna_complete_cds
 u41804_882-1254,putative_t1/st2_receptor_binding_protein_precursor_mrna_complete_cds
 u51903_5202-5712,rasgap-related_protein(iqgap2)_mrna_complete_cds
 u52969_19-505,pep19(pcp4)_mrna_complete_cds
 u71207_1846-2224,eyes_absent_homolog(eab1)_mrna_complete_cds.
 15 u79256_655-1033,clone_23719_mrna_sequence
 all_v00594_15-75,mrna_for_metallothionein_from_cadmium-
 treated_cells,mrna_for_metallothionein_from_c
 all_x04434_4484-4971,mrna_for_insulin-like_growth_factor_i_receptor
 x07438exon#2_11-
 20 166,dna_for_cellular_retinol_binding_protein(crbp)_exonsand/gb=x07438/_ntype=dna_/a
 x58199mrna_2491-2573,mrna_for_beta_adducin_
 all_x72304_1456-1688,mrna_for_corticotrophin_releasing_factor_receptor_
 x87344mrna#26_769-945,dma_dmb_hla-
 z1_ipp2_lmp2_tap1_lmp7_tap2_dob_dqb2_and_ring8_9,andgene
 25 all_z14093_1190-1743,mrna_for_branched_chain_decarboxylase_alpha_subunit_
 Metagene 452
 m38180mrna_1319-1623,3-beta-hydroxysteroid_dehydrogenase/delta-5-delta-4-isomerase_(3-beta-
 30 hsd)_gene
 Metagene 395
 hg881-ht881_at_hg881-ht881_mucin_6_gastric
 35 l00190mrna_912-1384,antithrombin_iii_(ataiii)_gene_exonand_complete_cds
 m16973mrna_1406-1910,complement_protein_c8_beta_subunit_mrna_complete_cds_
 all_m21642_180-
 301,(dysfunctional)_antithrombin_iii_(atiii)_utah_gene,(dysfunctional)_antithrombin_i
 m26682_721-1171,t-cell_translocation_gene(ttg-1)_mrna_complete_cds_

- m54992_924-1494,b_cell_differentiation_antigen_mrna,_complete_cds
 m81883mrna_3226-3538,glutamate_decarboxylase_(gad67)_mrna,_complete_cds
 m83712_1078-1646,nicotinic_receptor_alphasubunit_mrna,_complete_cds.
 s75174_1316-1511,_e2f-4=transcription_factor_[human,_nalm6_and_hela_cells,_mrna,_1539_nt]
 5 u16129_2108-2684,glutamate_receptor_(glur4)_mrna,_complete_cds.
 u50360_81-385,calcium,_calmodulin-
 dependent_protein_kinase_ii_gamma_mrna,_partial_cds/gb=u50360_/nty
 u79248_1157-1553,clone_23826_mrna_sequence_
 x51698cds_39-343:in_reversesequence,_387-465,spasmolytic_polypeptide_(sp)_mrna
 10 all_x72925_3671-4008,mrna_for_desmocollin_type_1_
 x90828exon#2_233-752,mrna_for_transcription_factor,_lhx1_
 y11180mrna_31-247,mrna_for_twist_protein,_partial/gb=y11180_/ntype=rna_

 Metagene 84
 15 d28589mrna_281-743,mrna_(kiaa00167),_partial_sequence/gb=d28589_/ntype=rna_
 d79991_5181-5613,mrna_for_kiaa0169_gene,_partial_cds_
 l11573_1101-1665,surfactant_protein_b_mrna,_complete_cds/gb=l11573_/ntype=rna
 u79528_1038-1577,sr31747_binding_proteinmrna,_complete_cds
 20
 Metagene 5

 m20030_68-612,small_proline_rich_protein_(sprii)_mrna,_clone_930_

 25 Metagene 164

 af009674_2870-3308,axin_(axin)_mrna,_partial_cds
 d13748_812-1352,mrna_for_eukaryotic_initiation_factor_4ai
 d16562_514-1042,mrna_for_atp_synthase_gamma-subunit_(l-type),_complete_cds_
 30 d28473_3882-4418,t-lymphocyte_mrna_for_ileucyl-trna_synthetase,_complete_cds_
 d29643_1079-1469,mrna_for_kiaa0115_gene,_complete_cds
 d32050_2761-3307,mrna_for_alanyl-trna_synthetase,_complete_cds_
 d42073_1551-2049,mrna_for_reticulocalbin,_complete_cds_
 d50063_1139-1553,mrna_for_proteasome_subunit_p40_/mov34_protein,_complete_cds_
 35 d63478_2816-3308,mrna_for_kiaa0144_gene,_complete_cds
 d80000_5250-5754,mrna_for_kiaa0178_gene,_partial_cds_
 d86970_5998-6400,mrna_for_kiaa0216_gene,_complete_cds
 d87071_5779-6223,mrna_for_kiaa0233_gene,_complete_cds
 d87437_4613-5039,mrna_for_kiaa0250_gene,_complete_cds

- d89052_428-938,mrna_for_proton-atpase-like_protein,_complete_cds_
hg1153-ht1153_at_hg1153-ht1153_nucleoside_diphosphate_kinase_nm23-h2s
hg2279-ht2375_at_hg2279-ht2375_triosephosphate_isomerase_
j03191mrna_192-684,profilin_mrna,_complete_cds_
5 j04031_2529-3057,methylenetetrahydrofolate_dehydrogenase-
_methenyltetrahydrofolate_cyclohydrolase-fo
j04988cds_1925-2147:in_reversesequence,_7591-
7831,90_kd_heat_shock_protein_gene,_complete_cds_
110678_1128-1650,profilin_ii_mrna,_complete_cds
10 111669_1355-1715,tetracycline_transporter-like_protein_mrna,_complete_cds
114076_1469-2051,pre-mrna_splicing_factor_srp75_mrna,_complete_cds_
116842_1402-1792,ubiquinol_cytochrome-c_reductase_core_i_protein_mrna,_complete_cds
120010_7717-8185,hcf1_gene_related_mrna_sequence_
133243mrna_13655-14051,polycystic_kidney_diseaseprotein_(pkd1)_mrna,_complete_cds
15 138696_961-1375,autoantigen_p542_mrna,_3'_end_of_cds
m11433_115-403,cellular_retinol-binding_protein_mrna,_complete_cds_
m31606mrna_1102-1528,phosphorylase_kinase_(psk-c3)_mrna,_complete_cds
all_m34677_1486-1913,nested_gene_protein_gene,_complete_cds
m57567_491-953,adp-ribosylation_factor_(harf5)_mrna,_complete_cds
20 m61832_1472-2002,s-adenosylhomocysteine_hydrolase_(ahcy)_mrna,_complete_cds
m81601_2039-2483,transcription_elongation_factor_(sii)_mrna,_complete_cds
m86400_2239-2743,phospholipase_a2_mrna,_complete_cds_
m88458_585-1095,elp-1_mrna_sequence
m94362_3717-4179,lamin_b2_(lamb2)_mrna,_partial_cds
25 m97856_2016-2430,histone-binding_protein_mrna,_complete_cds_
s75463_1145-
1565,_p43=mitochondrial_elongation_factor_homolog_[human,_liver,_mrna,_1644_nt]
all_u02493_2130-2485,54_kda_protein_mrna,_complete_cds_
u02619_6437-6965,tfiic_box_b-binding_subunit_mrna,_complete_cds_
30 u18321_1065-1569,ionizing_radiation_resistance_conferring_protein_mrna,_complete_cds_
u20285_1283-1811,gps1_(gps1)_mrna,_complete_cds
u25988_680-720,pregnancy-specific_glycoprotein(psg13')_mrna,_complete_cds_
u28386_1405-1933,nuclear_localization_sequence_receptor_hsrp1alpha_mrna,_complete_cds
u31556_1445-1679,transcription_factor_e2f-5_mrna,_complete_cds_
35 u33053_2381-2879,lipid-activated_protein_kinase_prk1_mrna,_complete_cds
u36764_721-997,tgf-beta_receptor_interacting_proteinmrna,_complete_cds
u39400_1407-1887,nof1_mrna,_complete_cds_
u47077_13025-13463,dna-dependent_protein_kinase_catalytic_subunit_(dna-
pkcs)_mrna,_complete_cds

- u51586_1262-1676,siah_binding_protein(siahbp1)_mrna,_partial_cds
u62136_660-1050,putative_enterocyte_differentiation_promoting_factor_mrna,_partial_cds_
u66711mrna_556-1102,ly-6-related_protein_-9804_gene,_complete_cds_
u73379_193-661,cyclin-selective_ubiquitin_carrier_protein_mrna,_complete_cds_
5 u81375_1669-2119,placental_equilibrative_nucleoside_transporter(hent1)_mrna,_complete_cds_
v00599mma_903-1380,mrna_fragment_encoding_beta-tubulin(from_clone_d-beta-1)_
all_x02152_1090-1625,mrna_for_lactate_dehydrogenase-a(ldh-a,_ec_1.1.1.27)_
all_x04366_2448-
2986,mrna_for_calcium_activated_neutral_protease_large_subunit_(mucanp,_calpain,_ec_
10 all_x05130_1362-1876,mrna_for_prolyl_4-hydroxylase_beta_subunit(ec_1.14.11.2)_(procollagen-1-
proline
all_x14850_1122-1555,h2a.x_mrna_encoding_histone_h2a.x_
all_x52142_2163-2734,mrna_for_ctp_synthetase_(ec_6.3.4.2)
x58079mrna_43-565,mrna_for_s100_alpha_protein
15 x67951cds_312-576:in_reversesequence,_642-888,mrna_for_proliferation-associated_gene_(pag)_
all_x75208_3276-3781,hek2_mrna_for_protein_tyrosine_kinase_receptor
all_x97335_3247-3704,mrna_for_kinase_a_anchor_protein
y10807_650-1227,mrna_for_arginine_methyltransferase,_splice_variant,_1262_bp_
z27113cds_73-325:in_reversesequence,_439-463,gene_for_rna_polymerase_ii_subunit_14.4_kd_
20 z48501cds_957-1429,mrna_for_polyadenylate_binding_protein_ii/gb=z48501_/ntype=rna
z48950exon#4_794-1100,hh3.3b_gene_for_histone_h3.3_

Metagene 136

25 ac000064cds#2_102-372:in_fullsequence,_6375-
6621,_wugsc:h_rg083m05.2_gene_extracted_frombac_clone_rg
ac000064cds#1_1287-1581:in_reversesequence,_16950-
17160,_wugsc:h_rg083m05.2_gene_extracted_frombac_c
af000177_293-851,sm-like_protein_casm_(casm)_mrna,_complete_cds/gb=af000177_/ntype=rna
30 af000231_1768-2308,rab11a_gtpase_mrna,_complete_cds.
af015950_3501-3909,telomerase_reverse_transcriptase_(htrt)_mrna,_complete_cds.
d10656_988-1528,mrna_for_crk-ii,_complete_cds
d63391_341-773,mrna_for_platelet_activating_factor_acetylhydrolase_ib_gamma-
subunit,_complete_cds
35 d86959_5435-5867,mrna_for_kiaa0204_gene,_complete_cds
hg3104-ht3280_at_hg3104-ht3280_serine_protease_met1
l34820_566-938,nad+-dependent_succinate-semialdehyde_dehydrogenase_(ssadh)_mrna,_3'_end
m37400mrna_1352-1886,cytosolic_aspartate_aminotransferase_mrna,_complete_cds_
m63483_757-1255,major_nuclear_matrix_protein_mrna

- m68891_2398-2686,gata-binding_protein_(gata2)_mrna,_complete_cds_
 s72370_3422-3962,_pyruvate_carboxylase_[human,kidney,_mrna,_4017_nt]_
 u01160_1056-1635,transmembranesuperfamily_protein_(sas)_mrna,_complete_cds_
 u39412_675-1209:not_in_gb_record,platelet_alpha_snap_mrna,_complete_cds_
5 u44755_965-1487,pse-binding_factor_ptf_delta_subunit_mrna,_complete_cds_
 u44839_2566-3088,putative_ubiquitin_c-terminal_hydrolase_(uhx1)_mrna,_complete_cds_
 u66469_819-1209,cell_growth_regulator_cgr19_mrna,_complete_cds_
 u87972_91-373,nad+-isocitrate_dehydrogenase_mrna,_partial_cds/gb=u87972_/ntype=rna_
 all_x12433_1247-1734,phs1-2_mrna_with_orf_homologous_to_membrane_receptor_proteins_
10 all_x17025_1254-1807,homolog_of_yeast_ipp_isomerase

Metagene 262

- d90070_1329-1828,atl-derived_pma-responsive_(apr)_peptide_mrna_
15 m69181_6995-7523,nonmuscle_myosin_heavy_chain-b_(myh10)_mrna,_partial_cds_
 u02680_2435-2837,protein_tyrosine_kinase_mrna,_complete_cds

Metagene 391

- 20** 176627mrna_5831-
 6329,metabotropic_glutamate_receptoralpha_(mglur1alpha)_mrna,_complete_cds_
 m55422_2463-2733,krueppel-related_zinc_finger_protein_(h-plk)_mrna,_complete_cds_
 all_m61855_1535-1714,cytochrome_p4502c9_(cyp2c9)_mrna,_clone_25
 all_x14968_1221-1636,testis_mrna_for_the_rii-alpha_subunit_of_camp_dependent_protein_kinase
25 x61079mrna_10-211,mrna_for_t_cell_receptor,_clone_igra24.
 z16411cds_2917-3110:in_reversesequence,_3137-3441,mrna_encoding_phospholipase_c

Metagene 276

- 30** hg1067-ht1067_r_at_hg1067-ht1067_mucin_
 u43292_706-1252,mds1b_(mds1)_mrna,_complete_cds
 all_x83492_418-500,mrna_for_fas/apo-1_(clone_pcrtm11-
 fasdelta(4,7))/gb=x83492_/ntype=rna,mrna_for_fa
 x95826cds_203-773,art4_gene/gb=x95826_/ntype=dna_/annot=cds
35 x99894_936-1482,mrna_coding_for_insulin_promoter_factor_1

Metagene 76

d50310_731-1127,mrna_for_cyclin_i,_complete_cds

- d87735_127-643,mrna_for_ribosomal_protein_114,_complete_cds
 hg1515-ht1515_f_at_hg1515-ht1515_transcription_factor_btf3b
 hg3117-ht3293_at_hg3117-ht3293_mps1
 hg384-ht384_at_hg384-ht384_ribosomal_protein_126_
- 5 hg429-ht429_at_hg429-ht429_b-cell_growth_factor_
 hg613-ht613_at_hg613-ht613_ribosomal_protein_s12_
 hg688-ht688_f_at_hg688-ht688_major_histocompatibility_complex_ii_dr_beta_2_
 j03459mrna_1459-1855,leukotriene_a-4_hydrolase_mrna,_complete_cds
 i08666_953-1421,porin (por) mrna,_complete_cds_and_truncated_cds
- 10 i36870mrna_3077-3533,map_kinase_kinase(mkk4)_mrna,_complete_cds
 m13934cds#2_41-407:in_reversesequence,_5551-
 5557,_rps14_gene (unknown protein)_extracted_fromribosom
 m14199_2-381,laminin_receptor_(2h5_epitope)_mrna,_5'_end_
 m17885mrna_532-946,acidic_ribosomal_phosphoprotein_p0_mrna,_complete_cds_
- 15 m26730cds_3-273:in_reversesequence,_99-204,mitochondrial_ubiquinone-
 binding_protein_gene,_5'_flank_w
 m75126_3159-3537,hexokinase(hk1)_mrna,_complete_cds_
 m84711_345-831,v-fos_transformation_effector_protein_(fte-1),_mrna_complete_cds
 u12404_111-651,csa-19_mrna,_complete_cds_
- 20 u14970_122-656,ribosomal_protein_s5_mrna,_complete_cds_
 u14972_103-499,ribosomal_protein_s10_mrna,_complete_cds
 u21049cds_61-319:in_reversesequence,_592-760,dd96_mrna,_complete_cds
 u58682_31-313,ribosomal_protein_s28_mrna,_complete_cds_
 u65092_324-774,melanocyte-specific_gene(msg1)_mrna,_complete_cds
- 25 u70323_3897-4401,ataxin-2_(sca2)_mrna,_complete_cds
 u70439_956-1407,silver-stainable_protein_ssp29_mrna,_complete_cds
 v01516cds_713-1044:in_reversesequence,_1070-
 1293,messenger_fragment_encoding_cytoskeletal_keratin_(t
 all_x04347_618-917,liver_mrna_fragment_dna_binding_protein_upi_homologue_(c-terminus)
- 30 x12671mrna_1450-
 1726,_hnmp_a1_protein_gene_extracted_fromgene_for_heterogeneous_nuclear_ribonucleop
 x15940cds_66-348:in_reversesequence,_379-385,mrna_for_ribosomal_protein_131_
 x16560cds_1-163:in_reversesequence,_13-
 295,cox_viic_gene_for_subunit_viic_of_cytochrome_c_oxidase_(e
- 35 x53777cds_81-435,i23_mrna_for_putative_ribosomal_protein_
 x55733cds_1611-1773:in_reversesequence,_1840-2056,initiation_factor_4b_cdna
 x55954cds_19-385:in_reversesequence,_427-433,mrna_for_hl23_ribosomal_protein_homologue
 x62691cds_13-343,mrna_for_ribosomal_protein_(homologous_to_yeast_s24)_
 x73460cds_725-1133:in_reversesequence,_1211,mrna_for_ribosomal_protein_13_

- x76013cds_1933-2257;in_reversesequence,_2328-2394,qsrhs_mrna_for_glutaminyl-trna_synthetase_
x80822cds_13-331;in_reversesequence,_56-578,mrna_for_orf
x80909cds_297-591;in_reversesequence,_694-754,alpha_nac_mrna
all_y00339_913-1465,mrna_for_carbonic_anhydrase_ii_(ec_4.2.1.1)
5 y08915_749-1235,mrna_for_alphaprotein_

Metagene 130

ab002315_4819-5347,mrna_for_kiaa0317_gene,_complete_cds/gb=ab002315_/ntype=rna_
10 ab002382_4858-5320,mrna_for_kiaa0384_gene,_complete_cds/gb=ab002382_/ntype=rna_
ac002115mrna#2_3349-
7559;not_in_gb_record,_cox6b_gene_(coxg)_extracted_fromdna_from_overlapping_chro
af002020_4090-4600,niemann-
pick_c_disease_protein_(npc1)_mrna,_complete_cds/gb=af002020_/ntype=rna
15 d14657_355-775,mrna_for_kiaa0101_gene,_complete_cds
d25248_4510-5050,randomly_sequenced_mrna_
d25304_4431-4701,mrna_for_kiaa0006_gene,_partial_cds_
d25547_779-864,mrna_for_pimt_isozyme_i,_complete_cds_
d28476_5899-6385,mrna_for_kiaa0045_gene,_complete_cds
20 d55716_1952-2378,mrna_for_plcdc47,_complete_cds
d63876_3171-3717,mrna_for_kiaa0154_gene,_partial_cds_
d79998_3100-3562,mrna_for_kiaa0176_gene,_partial_cds_
d83004_644-1148,epidermoid_carcinoma_mrna_for_ubiquitin-
conjugating_enzyme_e2_similar_to_drosophila_
25 d83785_5214-5634,mrna_for_kiaa0200_gene,_complete_cds
d85181_1502-2018,mrna_for_fungal_sterol-c5-desaturase_homolog,_complete_cds
d86550_5888-6338,mrna_for_serine/threonine_protein_kinase,_complete_cds
d87451_2622-3162,mrna_for_kiaa0262_gene,_complete_cds
d87969_1206-1686,mrna_for_cmp-sialic_acid_transporter,_complete_cds
30 hg2492-ht2588_at_hg2492-ht2588_glutamate_receptor_subunit
hg4557-ht4962_at_hg4557-ht4962_small_nuclear_ribonucleoprotein_u1,_lsnrp_
l07758_1288-1762,ief_ssp_9502_mrna,_complete_cds_
l13738mrna_4076-4490,activated_p21cdc42hs_kinase_(ack)_mrna,_complete_cds
all_l19314_3362-3789,hry_gene,_complete_cds
35 l20859_2655-3159,leukemia_virus_receptor(givr1)_mrna,_complete_cds
l21936_1796-2222,succinate_dehydrogenase_flavoprotein_subunit_(sdh)_mrna,_complete_cds_
l27706_1445-1985,chaperonin_protein_(tcp20)_gene_complete_cds
l34600_1958-2426,nuclear-encoded_mitochondrial_initiation_factormrna,_complete_cds
all_m22877_1917-2434,somatic_cytochrome_c_(hcs)_gene,_complete_cds_

- m29960mrna_1721-2141,steroid_receptor_(tr2-11)_mrna,_complete_cds
 m31932mrna_1771-2341,igg_low_affinity_fc_fragment_receptor_(fcγria)_mrna,_complete_cds_
 m32011mrna_1623-2157,neutrophil_oxidase_factor_(p67-phox)_mrna,_complete_cds_
 m33336_2441-3005,camp-dependent_protein_kinase_type_i-
 5 alpha_subunit_(prkar1a)_mrna,_complete_cds_
 m75715_1635-2185,tb3-1_mrna,_complete_cds
 u07559_1832-2366,isl-1_(islet-1)_mrna,_complete_cds
 u11872_36-72,interleukin-
 8_receptor_type_b_(il8rb)_mrna,_splice_variant_il8rb1,_partial_cds/gb=u1187
 10 u15642_975-1472,transcription_factor_ε2f-5_mrna,_complete_cds
 u47927_2598-3132,isopeptidase_t_(isot)_mrna,_complete_cds
 u48296_1629-2175,protein_tyrosine_phosphatase_ptpcaax1_(hptpcaax1)_mrna,_complete_cds
 u52154_2352-2610,g_protein-
 coupled_inwardly_rectifying_potassium_channel_kir3.4_mrna,_complete_cds_
 15 u63541mrna_431-977,mrna_expressed_in_hc/hcc_livers_and_molt-
 4_proliferating_cells,_partial_sequence
 u77456_2006-2414,nucleosome_assembly_proteinmrna,_complete_cds
 u84720_1431-1611,mrna_export_protein_rael_(rael)_mrna,_complete_cds
 u89336exon#34-35_35-
 20 87:not_in_gb_record,_unknown_gene_extracted_fromhla_iii_region_containing_notch4
 u94832_2732-2958,kh_type_splicing_regulatory_protein_ksrp_mrna,_complete_cds.
 u94836_3450-3894,erprot_213-21_mrna,_complete_cds
 all_x06272_2379-2854,mrna_for_docking_protein_(signal_recognition_particle_receptor)_
 all_x17567_432-1018,rna_for_snmp_protein_b
 25 all_x63741_3695-4230,pilot_mrna
 x66113cds_2199-2633:in_reversesequence,_2682-2729,mrna_for_pm/scl_100kd_nucleolar_protein_
 all_x67155_2735-3228,mrna_for_mitotic_kinesin-like_protein-1_
 all_x79888_965-1500,auh_mrna_
 x87613cds_1996-2236:in_reversesequence,_2780-
 30 2912,mrna_for_skeletal_muscle_abundant_protein_
 all_x95632_1680-1784,mrna_for_arg_protein_tyrosine_kinase-binding_protein
 y07707_1136-1634,mrna_for_itba4_gene/gb=y07707/_ntype=rna
 z84721cds#1_81-390:in_reversesequence,_15248-
 15488,dna_sequence_from_cosmid_gg1_from_a_contig_from_t
 35 reverse_z86000_20444-20634,dna_sequence_from_pac_151b14_on_chromosome_22q12-
 qter_contains_somatostat

Metagene 42

ab000462_6801-7227,mrna_for_sh3_binding_protein,_clone_res4-23a,_complete_cds
 m65062_1233-1527,insulin-like_growth_factor_binding_protein(igfbp-5)_mrna,_complete_cds_
 m93221mrna_4618-5110,macrophage_mannose_receptor_(mrc1)_gene_
 u25801_225-675,tax1_binding_protein_mrna,_partial_cds
5 all_x16699_2053-2130,mrna_for_cytochrome_p-450hp_
 x72177mrna_2964-3510,c6_gene,_exon_1

Metagene 427

10 m60459_1277-1745,erythropoietin_receptor_mrna,_complete_cds
 u45880_1969-2515,x-linked_inhibitor_of_apoptosis_protein_xiap_mrna,_complete_cds
 u89326_1533-1965,bone_morphogenetic_protein_receptor_type_i_alk-6_mrna,_complete_cds_
 all_x66610_1372-1697,mrna_for_enolase
 all_x78678_1384-1871,khk_mrna_for_ketohexokinase,_clone_phkhk3a

15

Metagene 230

all_d29675_1092-
 1149,inducible_nitric_oxide_synthase_gene,_promoter_and_exon/gb=d29675_/ntype=dna_/a
20 d29675exon_2-
 136,inducible_nitric_oxide_synthase_gene,_promoter_and_exon/gb=d29675_/ntype=dna_/annot
 hg2730-ht2827_s_at_hg2730-ht2827_fibrinogen,_a_alpha_polypeptide,_altsplice_2,_e_
 117128_1940-2480,(clone_h4/h16)_gamma-glutamic_carboxylase_mrna,_complete_cds_
 all_m10943_444-1929,metallothionein-if_gene_(hmt-if)_
25 m18731_at_m18731_m18731,not_in_gb_record,galactose-1-
 phosphate_uridylyltransferase_(galt)_mrna,_comple
 m81933_1920-2394,cdc25a_mrna,_complete_cds_
 s79862_1641-
 2226,_26_s_protease_subunit_5b=50_kda_subunit [human,_hela_cells,_mrna_partial,_2253_nt]

30

u20734cds_709-1014:in_reversesequence,_7020-
 7258,transcription_factor_junb_(junb)_gene,_5'_region_an
 u43328_1158-1698,link_protein_mrna,_complete_cds_
 u52155_1646-2168,atp-

dependent_inwardly_rectifying_potassium_channel_kir4.1_mrna,_complete_cds_

35

u77664_417-891,masep_protein_p38_(rpp38)_mrna,_complete_cds.
 all_x79483_1063-1556,erk6_mrna_for_extracellular_signal_regulated_kinase_
 y07829exon#2_13-
 364,_exon_fromgene_encoding_ring_finger_protein/gb=y07829_/ntype=dna_/annot=exon,_ex
 all_y08765_1854-2207,mrna_for_splicing_factor,_sfl-h11_isoform_

Metagene 201

- reverse_ac000063_31010-31140,cosmid_clone_luca19_from_3p21.3_
- 5** hg1761-ht1778_s_at_hg1761-ht1778_tyrosine_kinase_fer_
hg2149-ht2219_at_hg2149-ht2219_mucin_
110338_953-1360,sodium_channel_beta-1_subunit_(scn1b)_mrna,_complete_cds_
120860_2219-2684,glycoprotein_ib_beta_mrna,_complete_cds_
m11186exon#3_20-134:not_in_gb_record,prepro-oxytocin-
- 10** neurophysin_i_(oxt)_gene,_complete_cds_
m29273_1749-2307,myelin-associated_glycoprotein_(mag)_mrna,_complete_cds_
m55040mrna_1689-2187,acetylcholinesterase_(ache)_mrna,_complete_cds
m64082_1605-2055,flavin-containing_monooxygenase_(fmo1)_mrna,_complete_cds_
m73481mrna_1227-1641,gastrin_releasing_peptide_receptor_(grpr)_mrna,_complete_cds
- 15** m76446_1521-1977,alpha-a1-adrenergic_receptor_mrna,_complete_cds_
m86546_1284-1716,pbx1a_and_pbx1b_mrna,_complete_cds
m88282mrna_4784-5180,tactile_protein_mrna,_complete_cds
s75578_755-1286_4-
aminobutyrate_aminotransferase_[human,_neuroblastoma_be_cells,_mrna_partial,_1352
- 20** u18991_2113-2638,retinal_pigment_epithelium-
specific_61_kda_protein_(rpe65)_mrna,_complete_cds_
u37251_1908-2328,krab_zinc_finger_protein_(znf177)_mrna,_splicing_variant,_complete_cds
u38268cds_61-379,cytochrome_b_pseudogene,_partial_cds/gb=u38268_/ntype=dna_/annot=cds
u40990_2251-2797,voltage_gated_potassium_channel_(kvlqt1)_mrna,_complete_cds
- 25** u70663_1532-1928,zinc_finger_transcription_factor_hezf_(ezf)_mrna,_complete_cds
u78190mrna_159-687,gtp_cyclohydrolase_i_feedback_regulatory_protein_gene,_complete_cds
all_x00237_613-824,f_variable_segment_5'_to_antithrombin_iii_gene_(at_iii)_
x07495cds_389-764:in_reversesequence,_1383-1449,mrna_for_cp19_homeobox_from_hox-3_locus.
all_x51408_1626-2017,mrna_for_n-chimaerin
- 30** all_x75308_2091-2608,mrna_for_collagenase_3
x80062cds_1187-1268:in_reversesequence,_1430-1463,sa_mrna_

Metagene 190

- 35** 126584_3368-3933,(cdc25)_mrna,_complete_cds
s75168mrna_1515-2079,_matk=megakaryocyte-
associated_tyrosine_kinase_[human,_genomic,_2617_ntsegments
u02609_1934-2450,transducin-like_protein_mrna,_complete_cds
u07882_1382-1730,delta_opioid_receptor_mrna,_complete_cds

- u16307_996-1458,glioma_pathogenesis-related_protein_(glipr)_mrna,_complete_cds_
u59831mrna_1876-2385,transcription_factor,_forkhead_related_activator(freac-
4)_gene,_complete_cds
y10313_1352-1730:not_in_gb_record,mrna_for_nerve_growth_factor-inducible_pc4_homologue
5 all_z83741_654-1183,hh2a/m_gene

Metagene 69

- d85759_2398-2701,fetuses,_20-26_weeks_brain_mrna_for_mnb_protein_kinase,_complete_cds
10 hg2479-ht2575_s_at_hg2479-ht2575_helix-loop-helix_protein_sef2-1d
176528exon_146-615,presenilin(ps1;s182)_gene
m29551_2520-3054,calcineurin_a2_mrna,_complete_cds_
m83941_2764-3124,receptor_tyrosine_kinase_(hek)_mrna,_complete_cds_
s77154_1862-2362,_tinur=_ngfi-b/nur77_beta-
15 type_transcription_factor_homolog_[human,_t_lymphoid_cell
u17989_3352-3796,nuclear_autoantigen_gs2na_mrna,_complete_cds
u56244_at_u56244_u56244,not_in_gb_record,hig-1_mrna,_complete_cds_
u58091_427-883,hs-cul-4b_mrna,_partial_cds_
u69611_2905-2985,tnf-alpha_converting_enzyme_mrna,_complete_cds
20 u72648cds_1037-1354:in_reversesequence,_4177-4210,alpha2-c4-
adrenergic_receptor_gene,_complete_cds
u80456_3416-3788,transcription_factor_sim2_long_form_mrna,_complete_cds
u86755_2390-2735,tnf-alpha_converting_enzyme_mrna,_complete_cds
all_x79204_10002-10585,scal_mrna_for_ataxin
25 x83573_1377-1803,arse_mrna_
x84194cds_61-271:in_reversesequence,_501-
555,mrna_for_acylphosphatase,_erythrocyte_(ct)_isoenzyme_
x91196mrna#2_3588-4161,mrna_for_e14_and_a-t_proteins/gb=x91196_/ntype=rna
30 Metagene 178.
ab000895_25-385,mrna_for_cadherin_fib1,_partial_cds/gb=ab000895_/ntype=rna
all_d00408_1838-1946,fetal_liver_cytochrome_p-450_(p-
450_hfla),_complete_cds,fetal_liver_cytochrome_
35 d26018_2865-3381,mrna_for_kiaa0039_gene,_partial_cds_
d83646_1984-2452,mrna_for_metalloproteinase,_complete_cds
d83767_917-1319,clone_n9_rep-8_mrna,_complete_cds
d84307_1321-1813,cdna_for_phosphoethanolamine_cytidyltransferase,_complete_cds_
hg2714-ht2810_at_hg2714-ht2810_tyrosine_kinase_

- hg3893-ht4163_at_hg3893-ht4163_phosphoglucomutase_1_altsplice_
 112701cds_103-283:in_reversesequence, 325-463,engrailed_protein_(en2)_gene,_5'_end_
 137882_1340-1814,frizzled_gene_product_mrna_complete_cds
 141919mrna_1877-2450,hic-1_gene_fragment_
- 5** 176937mrna_4642-
 5098_unnamed_protein_product_gene_extracted_fromwerner_syndrome_gene_complete_cds
 all_m32053_2900-3489,h19_rna_gene_complete_cds_(spliced_in_silico)
 all_m58569_4044-4260,fibrinogen_alpha-
 subunit_bipartite_transcript_complete_cds_of_extended_(alpha-
- 10** m64710cds_64-353:in_reversesequence, 1226-1353,c-type_natriuretic_peptide_gene_complete_cds
 m77829_737-1269,channel-like_integral_membrane_protein_(chip28)_mrna_complete_cds_
 m81830cds_716-1040:in_reversesequence, 1170-
 1326,somatostatin_receptor_isoform(ssr2)_gene_complete
 u03399_1649-2147,t-complex_protein_10a_(tcp10a)_mrna_complete_cds_
- 15** u11287_5386-5932,n-methyl-d-aspartate_receptor_subunit_nr3_(hnr3)_mrna_complete_cds_
 u12622_4-
 358,beaded_intermediate_filament_protein_cp115_mrna_partial_cds/gb=u12622/_ntype=rna_
 u22314_2753-3311,rest_protein_mrna_complete_cds_
 u48436_5739-6290,fragile_x_mental_retardation_protein_fmr2p_(fmr2)_mrna_complete_cds
- 20** u50315_2179-2551,enhancer_of_zeste_homolog(ezh1)_mrna_complete_cds_
 all_u58658_522-1093,unknown_protein_mrna_within_the_p53_intron_1_complete_cds_
 u62431_2093-
 2633,nicotinic_acetylcholine_receptor_alpha2_subunit_precursor_mrna_complete_cds_
 u87460_3537-4113,putative_endothelin_receptor_type_b-like_protein_mrna_complete_cds_
- 25** u89335exon#30_375-
 909_notch4_gene_(notch4)_extracted_fromhla_iii_region_containing_notch4_(notch4)_
 x62429cds_438-784:in_reversesequence, 877-994,mrna_for_transcription_factor_pit-1_
 all_x75315_849-1348,seb4b_mrna_
 x83703mrna_1284-1854,mrna_for_cytokine_inducible_nuclear_protein_
- 30** all_z35102_2543-3018,mrna_for_ndr_protein_kinase_
 z48512exon#4_87-303,xg_mrna_(clone_pep6)/gb=z48512/_ntype=rna
 all_z83742_507-757,hh2a/c_gene.
- Metagene 162
- 35** hg3242-ht4231_s_at_hg3242-ht4231_calcium_channel_voltage-
 gated_alpha_1e_subunit_altsplice_3_
 hg4258-ht4528_at_hg4258-ht4528_kinase_inhibitor_p27kip1_cyclin-dependent
 hg4411-ht4681_at_hg4411-ht4681_mucin_gastric

- hg4677-ht5102_s_at_hg4677-ht5102_oncogene_ret/ptc2_fusion_activated_
k01900mrna_655-1213,lymphocyte_interferon_alpha_type_201_mrna_complete_cds
132961_1584-1679,4-aminobutyrate_aminotransferase_(gabat)_mrna_complete_cds_
178267mrna_2573-3113,par-5_mrna_probable_5'_end
- 5** m10612cds_17-275:in_reversesequence_2926-3822:not_in_gb_record,apolipoprotein_c-
ii_gene_complete_c
m13686_388-897,pulmonary_surfactant-associated_protein_mrna_complete_cds_clone_mpsap-6a
m16591mrna_1446-1933,hemopoietic_cell_protein-
tyrosine_kinase_(hck)_gene_complete_cds_clone_lambda
- 10** m81829cds_915-1137:in_reversesequence_1260-
1476,somatostatin_receptor_isoformgene_complete_cds_
s38953cds_611-820:in_reversesequence_4446-4527_xa_[human_genomic_6873_nt]
s79281_25-
463_pancreatic_ribonuclease_[human_mrna_recombinant_partial_491_nt]/gb=s79281_/ntype=rn
- 15** u25826cds_795-1017:in_reversesequence_4190-
4436,transcription_factor_(sc1)_gene_complete_cds_
u29725_2517-2937,bmk1_alpha_kinase_mrna_complete_cds
u31986_877-1381,cartilage-specific_homeodomain_protein_cart-1_mrna_complete_cds_
u36798_4071-4551,platelet_cgi-pde_mrna_complete_cds
- 20** u48936_15-139,amiloride-
sensitive_epithelial_sodium_channel_gamma_subunit_mrna_5'_end_partial_cds/
u49248_4807-
5251,canalicular_multispecific_organic_anion_transporter_(cmoat)_gene_complete_cds_
u49837_684-1218,lim_protein_mlp_mrna_complete_cds_
- 25** u53174_1639-2059,cell_cycle_checkpoint_control_protein_mrna_complete_cds
u56814_495-957,dnase_i_homologous_protein_(dhp2)_mrna_complete_cds
u60062_1060-1550,fez1-t_mrna_alternatively_spliced_form_complete_cds_
u63090_1303-1813,gal_beta-1,3_galnac_alpha-2,3_sialyltransferase_(st3gal_ii)_mrna_complete_cds
u79295_817-1345,clone_23961_mrna_sequence
- 30** all_x65857_1542-2053,hgmp07e_gene_for_olfactory_receptor_
x70070cds_954-1194:in_reversesequence_1608-1800,mrna_for_neurotensin_receptor_
x77307cds_1244-1382:in_reversesequence_1491-1701,mrna_for_5-ht2b_serotonin_receptor
all_x87160_2768-3339,mrna_for_gamma_subunit_of_epithelial_amiloride-
sensitive_sodium_channel_
- 35** all_x95095_487-1058,mrna_for_pdgfralpha_protein/gb=x95095_/ntype=ma
z26653cds_8896-9286:in_reversesequence_9383-9509,mrna_for_laminin_m_chain_(merosin)
all_z37976_6411-6916,mrna_for_latent_transforming_growth_factor-beta_binding_protein_(ltbp-2)
all_z38133_5578-5993,mrna_for_myosin_
all_z49825_1747-2253,mrna_for_hepatocyte_nuclear_factoralpha

z70276cds_2-294,mrna_for_fibroblast_growth_factor(partial).
 z83805_199-463,mrna_for_axonemal_dynein_heavy_chain_(partial_id_hdhc8)

Metagene 148

5

d13644_4013-4523,mrna_for_kiaa0019_gene_complete_cds
 l35545mrna_689-1223,endothelial_cell_protein_c/apc_receptor_(epcr)_mrna_complete_cds_
 m33882_2348-2762,p78_protein_mrna_complete_cds
 m60750cds_3-348,histone_h2b.1_(h2b)_gene_complete_cds/gb=m60750/_ntype=dna/_annot=cds_
 10 u78798_1699-2203,tnf_receptor_associated_factor(traf6)_mrna_complete_cds.
 all_y08319_1743-2272,mrna_for_kinesin-2
 y12556_427-877,mrna_for_amp-activated_protein_kinase_beta-1/gb=y12556/_ntype=rna_

Metagene 165

15

af000959_759-1269,transmembrane_protein_mrna_complete_cds
 d28364_4-
 118,mrna_for_annexin_ii_5'_utr_(sequence_from_the_5'_cap_to_the_start_codon)/gb=d28364/_nt
 hg2239-ht2324_at_hg2239-ht2324_potassium_channel_protein_
 20 hg3075-ht3236_s_at_hg3075-ht3236_focal_adhesion_kinase_
 m28214_255-723,gtp-binding_protein_(rab3b)_mrna_complete_cds_
 m91368_2656-3189,na+/ca+_exchanger_(cnc)_mrna_complete_cds
 u79734_4119-4683,huntingtin_interacting_protein_(hip1)_mrna_complete_cds
 x71345mrna_222-798,mrna_for_trypsinogen_iv_b-form
 25 all_x83535_1791-2208,mrna_for_membrane-type_matrix_metalloproteinase_

Metagene 120

l21998_15275-15677,intestinal_mucin_(muc2)_mrna_complete_cds
 30 l26234mrna_298-
 796,apolipoprotein_b_mrna_editing_enzyme_catalytic_polypeptide(apobec1)_mrna_comple
 m55905_1340-1820,mitochondrial_nad(p)+_dependent_malic_enzyme_mrna_complete_cds_
 m96956_2590-2639,(clone_cr-3)_teratocarcinoma-
 derived_growth_factor(tdgf3)_mrna_complete_cds_
 35 u00952_488-998,clone_a9a2brb7_(cac)n/(gtg)n_repeat-containing_mrna_
 u01062mrna_8334-8778,typeinositol_1,4,5-trisphosphate_receptor_(itpr3)_mrna_complete_cds_
 u17418_1591-2071,parathyroid_hormone/parathyroid_hormone-
 related_peptide_receptor_mrna_complete_cds
 u31099_13-469,dp_prostanoid_receptor_(ptgdr)_mrna_partial_cds.

- u33838_2-188,nf-kappa-
b_p65delta3_mrna_spliced_transcript_lacking_exonsand_7_partial_cds/gb=u33838
u40622_999-1449,xrcc4_mrna_complete_cds_
u40705_2127-2625,telomeric_repeat_binding_factor_(trf1)_mrna_complete_cds
- 5** u66561_2158-2614,kruppel-related_zinc_finger_protein_(znf184)_mrna_partial_cds
u90313_212-758,glutathione-s-transferase_homolog_mrna_complete_cds
u94333_2877-3429,clq/mb1/spa_receptor_clqr(p)_mrna_complete_cds.
x89576_1772-2255,mrna_for_putative_mt4-mmp_protein_
z19002cds_1508-1994:in_reversesequence,_2075-2081,of_plzf_gene_encoding_kruppel-
10 like_zinc_finger_pro
- Metagene 32
- d85376exon_2003-2453,dna_for_thyrotropin-releasing_hormon_receptor_
15 hg1034-ht1034_f_at_hg1034-ht1034_atpase_na+/k+_transporting_alphapolypeptide
hg1471-ht3923_s_at_hg1471-ht3923_transcription_factor_oct-1a/1b_altsplice_2_oct-1b_
hg2147-ht2217_r_at_hg2147-ht2217_mucin_3_intestinal_
hg3565-ht3768_at_hg3565-ht3768_zinc_finger_protein_
all_k03431_5910-6163:not_in_gb_record_hpr_gene_(haptoglobin-
20 related_protein)_extracted_fromhaptoglo
103840_2419-2970,fibroblast_growth_factor_receptor(fgfr4)_mrna_complete_cds
107590_4754-5138,protein_phosphatase_2a_130_kda_regulatory_subunit_mrna_complete_cds
111708_761-1205_humanbeta_hydroxysteroid_dehydrogenase_typemrna_complete_cds_
113197_1853-2099,(clone_d21s418e)_pregnancy-associated_plasma_protein_a_(papp-
25 a)_gene_5'_utr
127943mrna_291-867,cytidine_deaminase_(cda)_mrna_complete_cds
128821_4394-4838,alpha_mannosidase_ii_isozyme_mrna_complete_cds
140992mrna_906-1368,(clone_pebp2a1)_core-
binding_factor_runt_domain_alpha_subunit(cbfa1)_mrna_3'
30 149169mrna_3270-3612,g0s3_mrna_complete_cds_
m14016mrna_644-947,uroporphyrinogen_decarboxylase_mrna_complete_cds_
m14660exon_1123-1363:in_reversesequence,_1460-1646,isc-
54k_gene_(interferon_stimulated_gene)_encodin
m23892mrna_2101-2549,15-lipoxygenase_mrna_complete_cds
35 m27288exon_225-555:in_reversesequence,_567-768,oncostatin_m_gene
m27783_2-433,neutrophil_elastase_mrna_3'_end
m28213_94-627,gtp-binding_protein_(rab2)_mrna_complete_cds_
m31525mrna_517-1081,mhc_ii_lymphocyte_antigen_(hla-dna)_gene_complete_cds_
m55131mrna_5636-6134,cystic_fibrosis_transmembrane_conductance_regulator_(cftr)_gene_

- m55172_6712-7102,large_aggregating_cartilage_proteoglycan_core_protein_mrna_complete_cds
m63896cds_927-1197:in_reversesequence,_1866-
2022,transcriptional_enhancer_factor_(tefl)_dna_complet
m63967exon#2_1319-1625,mitochondrial_aldehyde_dehydrogenase_x_gene_complete_cds_
- 5 m80478exon#3_119-635,platelet_glycoprotein_ix_precursor_(gpix)_gene_complete_cds
m96995_497-1025,epidermal_growth_factor_receptor-binding_protein_grb2_(egfrbp-
grb2)_mrna_sequence_
s50017cds_904-1241:in_reversesequence,_444-505,_2'_3'_-cyclic_nucleotide_3'_-
phosphodiesterase_[hum
- 10 u07563_cds1_at_u07563_u07563,not_in_gb_record,abl_gene_exon_1b_and_intron_1b_and_putativ
e_m8604_me
u11861_511-949,g10_homolog_(edg-2)_mrna_complete_cds
u33841_8844-9294,ataxia_telangiectasia_(atm)_mrna_complete_cds
u34605_3365-3851,retinoic_acid_and_interferon-inducible_58k_protein_r158_mrna_complete_cds_
- 15 u35246_1518-1962,vacuolar_protein_sorting_homolog_h-vps45_mrna_complete_cds_
u38980_841-972,pms2_related_(hpmsr6)_mrna_complete_cds
u43586_1531-2101,kinase_suppressor_of_ras-1_(ksr1)_mrna_partial_cds_
u43747_993-1425,frataxin_(frda)_mrna_complete_cds_
u50839_1969-2413:not_in_gb_record,g16_protein_(g16)_mrna_partial_cds.
- 20 u52513_1318-1642,rig-g_mrna_complete_cds
u65533_3076-3620,regulator_of_nonsense_transcript_stability_(rent1)_mrna_complete_cds_
u66828_2341-2500,carnitine_palmitoyltransferase_i_(cpti)_mrna_complete_cds
u70867_3444-3936,prostaglandin_transporter_hpgt_mrna_complete_cds_
u75362_2155-2557,isopeptidase_t-3_(isot-3)_mrna_complete_cds
- 25 u92971_1235-1805,protease-activated_receptor(par3)_mrna_complete_cds.
u93049_1841-2375,slp-76_associated_protein_mrna_complete_cds
x01038mrna_285-824,fetal_gene_for_apolipoprotein_ai_precursor_
x14445exon#3_240-702,int-2_proto-oncogene
all_x14789_1204-1793,alpha-a_crystallin_gene_exon_1,2_and_pseudoexon_
- 30 x15357cds_2853-3135:in_reversesequence,_3262-3454,mrna_for_natriuretic_peptide_receptor_(anp-
a_recep
x71874cds#1_268-739:in_reversesequence,_4531-4534,_proteasome-like_subunit_mec1-
1_gene_extracted_fro
x84746cds_544-1012,histo-blood_group_ab0_gene_exon_1
- 35 all_x85137_3131-3726,mrna_for_kinesin-related_protein
x98833mrna_3475-3937,mrna_for_zinc_finger_protein_hsall
all_y10260_1483-2048,eya1_gene_
z30643cds_1860-1921,mrna_for_chloride_channel_(putative)_2139bp
z46967cds_1216-1714,mrna_for_calicin_(partial)_

Metagene 384

- x92689cds_1457-1853,mrna_for_udp-galnac:polypeptide_n-
5 acetylgalactosaminyl_transferase/gb=x92689_/nt

Metagene 392

- d49728_2002-2330,nak1_mrna_for_dna_binding_protein,_complete_cds_
10 l10717_6303-6332,t_cell-specific_tyrosine_kinase_mrna,_complete_cds_
 l25119_1561-2119,mu_opiate_receptor_(mor1)_mrna,_complete_cds
 m32304_423-983,metalloproteinase_inhibitor_mrna,_complete_cds
 m84526_470-890,adipsin/complement_factor_d_mrna,_complete_cds
 u44103_339-559,small_gtp_binding_protein_rab9_mrna,_complete_cds.
15 u60319_2133-2643,hereditary_haemochromatosis_protein_hla-h_mrna,_complete_cds
 u63825_269-737,hepatitis_delta_antigen_interacting_protein_a_(dipa)_mrna,_complete_cds_
 u77735_1516-2026,pim-2_protooncogene_homolog_pim-2h_mrna,_complete_cds_
 u90544_1665-2145,sodium_phosphate_transporter_(npt3)_mrna,_complete_cds
 all_x76092_1925-2460,hrfx3_mrna
20 z22780cds_1528-1774:in_reversesequence,_1780-1870,cylicin_mrna_

Metagene 73

- ab000466_2465-2963,_clone_res4-24c,_exon_1,_2,_3
25 aj001487_25-265,mrna_for_transformation-sensitive_protein,_3'_utr/gb=aj001487_/ntype=rna
 hg4755-ht5203_s_at_hg4755-ht5203_spinal_muscular_atrophy
 j03260mrna_2076-2576,transducin_alpha-subunit_(gnaz)_mrna,_complete_cds
 all_m20530_85-212,pancreatic_secretory_trypsin_inhibitor_(psti)_gene_
 m59911_4048-4612,integrin_alpha-3_chain_mrna,_complete_cds_
30 m62400_1400-1928,gamma-aminobutyric_acid_receptor_type_a_rho-1_subunit_(gaba-a_rho-
 1)_mrna,_complete
 m74826_1928-2396,glutamate_decarboxylase_(gad-2)_mrna,_complete_cds
 all_u01317_19502-63478,_epsilon-
 globin_gene_extracted_frombeta_globin_region_on_chromosome_11,_epsil
35 u13220_1586-2066,forkhead_protein_freac-2_mrna,_partial_cds
 u54999_1795-2287,lgn_protein_mrna,_complete_cds
 all_x00734_8016-8239,beta-tubulin_gene_(5-beta)_with_ten_alu_family_members
 x65293cds_1670-2180,mrna_for_protein_kinase_c-epsilon
 all_x71348_2835-3436,vhnfl-c_mrna

all_x76057_1206-1765,pmi1_mrna_for_phosphomannose_isomerase
 all_x98311_1901-2274,mrna_for_carcinoembryonic_antigen,_cgm2_
 z49205mrna_2454-2976,mrna_for_purinergic_receptor

5 Metagene 428

hg3344-ht3521_at_hg3344-ht3521_ubiquitin-conjugating_enzyme_ubch5
 all_m35999_3904-4463,platelet_glycoprotein_iiia_(gp11a)_mrna,_complete_cds
 all_u19906_5284-5711,arginine_vasopressin_receptor(avpr1)_gene,_complete_cds
 10 u54617_1233-1737,pyruvate_dehydrogenase_kinase_isoformmrna,_complete_cds
 x94703cds_244-628:in_reversesequence,_640-748,rab28_mrna

Metagene 224

15 hg3859-ht4129_at_hg3859-ht4129_mage-4a_antigen_
 u61741_25-137,clone(hl-
 18),_dynein_heavy_chain_(dnahc14)_mrna,_partial_cds/gb=u61741_/ntype=rna
 u67784_1106-1640,orphan_g_protein-coupled_receptor_(rdc1)_mrna,_partial_cds

20 Metagene 437

all_m73548_9853-10274,polyposis_locus_(dp2.5_gene)_mrna,_complete_cds
 u30245exon_3-
 56,myelomonocytic_specific_protein_(mnda)_gene,_5'_flanking_sequence_and_complete_exon/
 25 u36448_1252-1792,ca2+-dependent_activator_protein_for_secretion_mrna,_complete_cds_
 u41737_103-
 523,pancreatic_beta_cell_growth_factor_(ingap)_mrna,_complete_cds/gb=u41737_/ntype=rna
 u48697_1787-2276,mariner-like_element-containing_mrna,_clone_pchmt2
 x89986cds_271-387:in_reversesequence,_794-1043,mrna_for_nbk_apoptotic_inducer_protein_

30

Metagene 216

l01087_2189-2693,protein_kinase_c-theta_(prkct)_mrna,_complete_cds_
 m16652mrna_324-
 35 858,pancreatic_elastase_ii_mrna,_complete_cds,pancreatic_elastase_ii_mrna,_complete
 m27691_1901-2417,transactivator_protein_(creb)_mrna,_complete_cds
 m94893_989-1499,testis-specific_protein_(tspy)_mrna,_3'_end,_clone_pja923
 u30610_239-749,cd94_protein_mrna,_complete_cds_
 all_x17094_3675-4180,fur_mrna_for_furin

x55019cds_1128-1521:in_reversesequence,_1538-
1701,mrna_for_acetylcholine_receptor_delta_subunit.

Metagene 449

5

d79988_6383-6899,mrna_for_kiaa0166_gene,_complete_cds

d80001_4465-4939,mrna_for_kiaa0179_gene,_partial_cds_

d87450_5572-6034,mrna_for_kiaa0261_gene,_partial_cds_

hg2573-ht2669_at_hg2573-ht2669_zinc_finger_protein_kup_

10 m22638exon#4_154-682,lyl-1_protein_gene,_complete_cds

m62402_453-927,insulin-like_growth_factor_binding_protein(igfbp6)_mrna,_complete_cds

m85164_1354-1852,srf_accessory_protein_1b(sap-1)_mrna,_complete_cds

s79873_3394-3969,h-lamp-2=lysosome-associated_membrane_protein-

2_{alternatively_spliced}_[human,_li

15 u15174_224-746,nip3_(nip3)_mrna,_complete_cds

u24186cds_465-747:in_reversesequence,_1223-

1391,replication_protein_a_complex_subunit_homolog_rpa4_g

u34976_1059-1575,gamma-sarcoglycan_mrna,_complete_cds

u47677mrna_2495-2636,transcription_factor_e2f1(e2f1)_gene,_promoter_and_

20 u59914_802-1240,chromosomemad_homolog_smad6_mrna,_complete_cds_

u80628_2216-2588,thymidine_kinaseisoform_b(tk2)_mrna,_alternatively_spliced,_partial_cds_

all_x16323_5339-5814,mrna_for_hepatocyte_growth_factor(hgf)_

x52009cds_813-1315:in_reversesequence,_1629,alpha-

1_strychnine_binding_subunit_of_inhibitory_glycine

25

Metagene 491

hg3510-ht3704_at_hg3510-ht3704_v-erba_related_ear-3_protein

hg880-ht880_s_at_hg880-ht880_mucin_6_gastric

30 u37519_2304-2784,aldehyde_dehydrogenase(aldh8)_mrna,_complete_cds_

all_x98263_520-1019,mrna_for_m-phase_phosphoprotein,_mpp6

Metagene 429

35 d13628_2506-2998,mrna_for_kiaa0003_gene,_complete_cds

hg2171-ht2241_r_at_hg2171-ht2241_12-lipoxygenase_

l47726_2090-2552,phenylalanine_hydroxylase(pah)_mutant_q20stop_mrna

all_m11591_5495-6174:in_m11591cds_567-598,mhc_ii_hla-sx-alpha_gene

u55764_784-1072,estrogen_sulfotransferase_mrna,_partial_cds

all_x51362_2101-2583,mrna_for_dopamine_d2_receptor_
x60708mrna_2812-3364,pchdp7_mrna_for_liver_dipeptidyl_peptidase_iv_

Metagene 210

5

j04111exon#1_2735-3251,c-jun_proto_oncogene_(jun),_complete_cds,_clone_hcj-1_
m19154mrna_2143-2503,transforming_growth_factor-beta-2_mrna,_complete_cds
m55210mrna#1_7322-7844,laminin_b2_chain_(lamb2)_gene_
m93426_7455-7845,protein_tyrosine_phosphatase_zeta-polypeptide_(ptprz)_mrna,_complete_cds
10 u04636mrna_3882-4386,cyclooxygenase-2_(hcox-2)_gene,_complete_cds_
u32114_756-1278,caveolin-2_mrna,_complete_cds
u60805_3576-4146,oncostatin-m_specific_receptor_beta_subunit_(osmrp)_mrna,_complete_cds

Metagene 208

15

d14686mrna_1554-2046,gene_for_glycine_cleavage_system_t-protein
d14695_1259-1817,mrna_for_kiaa0025_gene,_complete_cds
d23673_1204-

20

1666,_clone_hh109_(screened_by_the_monoclonal_antibody_of_insulin_receptor_substrate-1_(
d86965_6166-6490,mrna_for_kiaa0210_gene,_complete_cds
d89667_440-1004,mrna_for_c-myc_binding_protein,_complete_cds_
hg2379-ht3996_s_at_hg2379-ht3996_serine_hydroxymethyltransferase,_cytosolic,_altsplice_2_
hg270-ht270_at_hg270-ht270_lymphocyte_chemoattractant_factor_
hg2868-ht3012_s_at_hg2868-ht3012_xe7,_pseudoautosomal_gene,_altsplice_2

25

hg371-ht1063_s_at_hg371-ht1063_mucin_1,_epithelial,_altsplice_6
hg3936-ht4206_at_hg3936-ht4206_interleukinreceptor
j00287exon#1_8-248:not_in_gb_record,pepsinogen_gene_
l02867_2179-2689,62_kda_paraneoplastic_antigen_mrna,_3'_end_
l13744_2775-3345,af-9_mrna,_complete_cds_

30

l14927exon#7_1-159:in_reversesequence,_5382-
5676,tear_prealbumin_(tp)_gene,_complete_cds_and_promote
l38935mrna_564-1026,gt212_mrna

35

m14218mrna_1044-1440,argininosuccinate_lyase_mrna,_complete_cds
m38449_40-599,transforming_growth_factor-beta_mrna,_complete_cds,_clone_ptgf-beta-trp114_
m57763_731-1151,adp-ribosylation_factor_(harf6)_mrna,_complete_cds_
m60278_1771-2221,heparin-binding_egf-like_growth_factor_mrna,_complete_cds_
m79462_3853-4333,pml-1_mrna,_complete_cds
m91196_938-1513,dna-binding_protein_mrna,_complete_cds_
m96326mrna_370-886,azurocidin_gene,_complete_cds

- m96739_1964-2510,nscl-1_mrna_sequence
 s72043mrna_5-68,gif=growth_inhibitory_factor_[human_brain_genomic_2015_nt]
 s82362_1119-1690,hrar-beta_2=retinoic-acid-
 receptor_beta/suspected_tumor_suppressor_{5'_region,_tr
- 5** u03494_2213-2393,transcription_factor_lsf_mrna_complete_cds_
 u05875_1655-2105,clone_psk1_interferon_gamma_receptor_accessory_factor-1_(af-
 1)_mrna_complete_cds_
 u40714_692-1142,tyrosyl-trna_synthetase_mrna_complete_cds/gb=u40714_/ntype=rna
 u41068cds_2-268:in_reversesequence_944-
- 10** 1155,retinoid_x_receptor_beta_(rxrbeta)_gene_partial_3'_tra
 u47101_428-758,nifu-like_protein_(hnifu)_mrna_partial_cds_
 u52112mrna#1_3929-
 4463,xq28_genomic_dna_in_the_region_of_the_11cam_locus_containing_the_genes_for_ne
 u54644_1437-1806,tub_homolog_mrna_complete_cds
- 15** u58087_2096-2462,hs-cul-1_mrna_complete_cds_
 u62531_3465-4029,ae2_anion_exchanger_(slc4a2)_mrna_complete_cds_
 u65785_4028-4442,150_kda_oxygen-regulated_protein_orp150_mrna_complete_cds
 u72515_1279-1811,c3f_mrna_complete_cds
 u79255_760-1180,x11_protein_mrna_partial_cds
- 20** all_x13451_84-268,mrna_for_lymphocyte_lineage-restricted_mb-1_membrane_glycoprotein_c-
 term(m-mb-1_ho
 x13973cds_996-1356:in_reversesequence_1770-
 1896,mrna_for_ribonuclease/angiogenin_inhibitor_(rai)
 all_x16135_1552-2003,mrna_for_novel_heterogeneous_nuclear_rnp_protein_1_protein_
- 25** x66362cds_743-1097:in_reversesequence_1121-1217,mrna_pctaire-
 3_for_serine/threonine_protein_kinase_
 all_x80818_3601-3860,mrna_for_metabotropic_glutamate_receptor_type_4_
 x85106_2196-2712,mrna_for_ribosomal_s6_kinase
- 30** Metagene 160
- d14811_644-1124,mrna_for_kiaa0110_gene_complete_cds_
 d14889_760-1240,mrna_for_small_gtp-binding_protein_s10_complete_cds
 d21878_816-1386,mrna_for_bst-1_complete_cds_
- 35** hg3288-ht3465_at_hg3288-ht3465_xanthine_dehydrogenase
 j04102_1830-2184,erythroblastosis_virus_oncogene_homolog(ets-2)_mrna_complete_cds
 l25798_1061-1589,3-hydroxy-3-methylglutaryl_coenzyme_a_synthase_mrna_complete_cds
 l41349mrna_3238-3646,phospholipase_c_beta(plcb4)_mrna_complete_cds
 m17219_758-1286,brain_guanine_nucleotide-binding_protein_alpha-i_subunit_mrna_5'_end

u55054_3199-3697,k-cl_cotransporter_(hkcc1)_mrna,_complete_cds_
 u57094_502-1018,small_gtp-binding_protein_mrna,_complete_cds_
 u93091_4410-4806,toll_protein_homolog_mrna,_complete_cds_and_line-
 1_reverse_transcriptase_homolog,_p

5

Metagene 156

- hg2887-ht3031_r_at_hg2887-ht3031_sry-related_hmg-boxprotein
 hg4099-ht4369_s_at_hg4099-ht4369_adrenergic_receptor,_alpha_1b_
- 10 104947_3659-
 4199,(clones_bt3.081.8,_bt3.129.5_and_bt4.169)_receptor_tyrosine_kinase_(kdr)_mrna,_3'_e
 m74088_8374-8717,apc_gene_mrna,_complete_cds_
 m96738cds_719-1221,somatostatin_receptor_subtype(sstr3)_gene,_complete_cds
 m99435_2069-2325,transducin-like_enhancer_protein_(tle1)_mrna,_complete_cds
- 15 s72487_1134-1582,_orf1_5'_to_pd-ecgf/tp...orf2_5'_to_pd-
 ecgf/tp_[human,_epidermoid_carcinoma_cell_li
 u28043_1989-2499,plasma_membrane_na+/h+_exchanger_isoform(nhe3)_mrna,_complete_cds
 u28049_1684-2221,txb2_(txb2)_mrna,_complete_cds
 u51003_2591-3169,dlx-2_(dlx2)_mrna,_complete_cds_
- 20 u62739_986-1430,branched-chain_amino_acid_aminotransferase_(eca40)_mrna,_complete_cds
 u72509mrna_2-255,alternatively_spliced_b8_(b7)_mrna,_partial_sequence/gb=u72509_/ntype=rna_
 u79300_930-1404,clone_23629_mrna_sequence
 all_x69654_4-422,mrna_for_ribosomal_protein_s26
 x79439cds_16-277,notchdna_sequence/gb=x79439_/ntype=dna_/annot=cds
- 25 x82850cds_722-1090:in_reversesequence,_1108-1238,mrna_for_thyroid_transcript_factor_1_
 y00414cds_1266-1537:in_reversesequence,_1573-1785,mrna_for_tyrosine_hydroxylase_type_3
 all_y08265_1306-1834,mrna_for_dan26_protein,_partial_
 z49254cds_75-435:in_reversesequence,_549-651,l23-related_mrna_

30 Metagene 149

- d00097exon#2_152-710,serum_amyloid_p_component_(sap)_gene_with_upstream_promoter_
 d14533_812-1322,mrna_for_xpac_protein
 d16815_1642-2086,mrna_for_ear-1r,_complete_cds_
- 35 d87683_6419-6941,mrna_for_kiaa0243_gene,_partial_cds_
 hg2510-ht2606_at_hg2510-ht2606_ras-specific_guanine_nucleotide-releasing_factor
 j00314mrna#1_4079-4173,beta-tubulin_gene,_clone_m40
 j05200mrna_14740-15238,ryanodine_receptor_mrna,_complete_cds
 l11329_1162-1630,protein_tyrosine_phosphatase_(pac-1)_mrna,_complete_cds

- 112760exon#9_396-
 721,phosphoenolpyruvate_carboxykinase_(pck1)_gene,_complete_cds_with_repeats
 all_l35263_3222-3721,csaids_binding_protein_(csbp1)_mrna,_complete_cds_
 m22976mrna_21-303:in_reversesequence,_668-728,cytochrome_b5_mrna,_3'_end
 5 m62397_3586-4126,colorectal_mutant_cancer_protein_mrna,_complete_cds_
 all_m83554_3167-3576,lymphocyte_activation_antigen_cd30_mrna,_complete_cds_
 m84424exon_1073-1217,cathepsin_e_(ctse)_gene_
 all_m93311_1950-2085,metallothionein-iii_gene,_complete_cds
 s83549_19-571,_na⁺/h⁺_exchanger_isoform_nhe-
 10 2_[human,_various_tissues,_mrna_partial,_595_nt]/gb=s835
 u02082_1643-2201,guanine_nucleotide_regulatory_protein_(tim1)_mrna,_complete_cds_
 u14528_2357-2807,sulfate_transporter_(dtd)_mrna,_complete_cds
 u18009_1900-2338,chromosome_17q21_mrna_clone_lf113_
 u19517_1692-2010,(apoargc)_long_mrna,_complete_cds_
 15 u22680_6048-6558,x2_box_repressor_mrna,_complete_cds_
 u36601_2620-3166,heparan_n-deacetylase/n-sulfotransferase-2_mrna,_complete_cds_
 u49436_1303-1783,translation_initiation_factor(eif5)_mrna,_complete_cds_
 u53003_1093-1609,gt335_mrna,_complete_cds
 u73338_6615-7113,methionine_synthase_mrna,_complete_cds
 20 u73682_2255-2651,meningioma-expressed_antigen(meal1)_mrna,_partial_cds_
 u78876_1789-2317,mek_kinase_mrna,_complete_cds_
 u80811_1092-1536,lysophosphatidic_acid_receptor_homolog_mrna,_complete_cds_
 x02176cds_1397-1656:in_reversesequence,_1681-
 1859,mrna_fragment_for_complement_component_c9
 25 x05997cds#1_726-1158:in_reversesequence,_1280-1316,mrna_for_gastric_lipase
 x51956mrna_1881-2397,eno2_gene_for_neuron_specific_(gamma)_enolase
 all_x60483_975-1171,h4/d_gene_for_h4_histone_
 x67325cds_31-337:in_reversesequence,_43-541,p27_mrna
 x67683cds_34-319:in_reversesequence,_13,mrna_for_keratin/gb=x67683/_ntype=rna
 30 x68149exon#2_2249-2687,blr1_gene_for_burkitt_lymphoma_receptor_1_
 x85133mrna_2399-2897,rbq-1_mrna
 x85372cds_18-210:in_reversesequence,_19-115,mrna_for_sm_protein_f_
 all_x87342_2921-3456,mrna_for_giant_larvae_homolog_
 x90908cds_11-353,mrna_for_i-15p_(i-babp)_protein_
 35 all_y00978_2012-2535,mrna_for_dihydrolipoamide_acetyltransferase_(pdc-e2)_(ec_2.3.1.12)
 y12393_346-819,mrna_for_srp1-like_protein,_partial_
 z24459exon#1_13-
 199,_exon2a_frommtcp1_gene,_exons_2a_to(and_joined_mrna)/gb=z24459/_ntype=dna/_annot

Metagene 125

- d14827_1564-1966,mrna_for_tax_helper_protein_1,_complete_cds_
all_d26561_2433-
- 5 3022,_orf_for_l1_protein_gene_extracted_frompapillomavirus_5b_genome_integrated_into
l34060_2124-2502,cadherin-8_mrna,_complete_cds
m94167_1894-2326,heregulin-beta2_gene,_complete_cds
s83390_2318-2865,_t3_receptor-associating_cofactor-1 [human,_fetal_liver,_mrna,_2930_nt]
u03398_1069-1576,receptor_4-1bb_ligand_mrna,_complete_cds
- 10 u52152_2642-3020,inwardly_rectifying_potassium_channel_kir3.3_mrna,_complete_cds_
u64871cds_870-1212:in_reversesequence,_1665-1773,putative_g_protein-
coupled_receptor_(gpr19)_gene,_c
u95626mrna#2_1641-
2133,_ccr2_gene_(ccr2a)_extracted_fromccr2b_(ccr2),_ccr2a_(ccr2),_ccr5_(ccr5)_and_
15 x77094cds_634-994:in_reversesequence,_1136-1214,mrna_for_p40phox

Metagene 71

- ab000220_4588-5134,mrna_for_semaphorin_e,_complete_cds_
20 109749_1019-1463,(clone_f4)_transmembrane_protein_mrna_sequence_
m87313_793-1335,myotonin_protein_kinase_(dm)_mrna_
u04520mrna_6221-6641,type_iv_collagen_a5_chain_(col4a5)_gene_
all_x87904_4159-4670,mrna_for_sep_protein
z78285_3-137,mrna_(clone_la7)

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Metagene 374

- ab000896_49-391,mrna_for_cadherin_fib2,_partial_cds/gb=ab000896/_ntype=rna
ac002115mrna#1_932-
- 30 1448,_cox6b_gene_(coxg)_extracted_fromdna_from_overlapping_chromosomecosmids_r313
d29641_2800-3292,mrna_for_kiaa0052_gene,_partial_cds_
d83699_623-1001,brain_3'_utr_of_mrna_for_neuronal_death_protein,_partial_sequence
d86960_5652-6168,mrna_for_kiaa0205_gene,_complete_cds
hg2152-ht2222_at_hg2152-ht2222_zinc_finger_protein_92
- 35 hg3707-ht3922_f_at_hg3707-ht3922_guanine_nucleotide-
binding_protein,_alpha_inhibiting_activity_polyp
l13994_2830-3196,prec_gene,_complete_cds;_orf_x,_complete_cds_
l22343_1136-1517,nuclear_phosphoprotein_mrna,_complete_cds_
l41607mrna_1772-2330,beta-1,6-n-acetylglucosaminyltransferase_(ignt)_gene

- all_m11437_1562-2440:in_m11437cds#1_1198-
 1226, kng_gene_(kininogen)_extracted_fromkininogen_gene, kn
 m27533_883-1451,ig_rearranged_b7_protein_mrna_vc1-region,_complete_cds.
 m61764mrna_1015-1495,gamma-tubulin_mrna,_complete_cds
- 5** m65085_1792-2302,follicle_stimulating_hormone_receptor_mrna,_complete_cds
 m81778_2123-2689,serotonin_5-ht1c_receptor_mrna,_complete_cds
 s66541cds_375-687:in_reversesequence,_99-314,_b-
 50=neural_phosphoprotein_[human,_genomic,_1845_ntseg
 u03911_2485-3013,mutator_gene_(hms2)_mrna,_complete_cds_
- 10** u22816_3784-4288,lar-interacting_protein_1b_mrna,_complete_cds_
 u51095_1230-1656,homeobox_protein_cdx1_mrna,_complete_cds
 u59748_28-187,desert_hedgehog_(hdhh)_mrna,_partial_cds/gb=u59748_/ntype=rna
 u61538_199-751,calcium-binding_protein_chp_mrna,_complete_cds
 u74324_1797-2349,guanine_nucleotide_exchange_factor_mss4_mrna,_complete_cds
- 15** u81787_1686-2238,wnt10b_mrna,_complete_cds.
 u90437_43-259,rp1_homolog_mrna,_3'_utr_region/gb=u90437_/ntype=rna_
 all_x04391_1779-2320,mrna_for_lymphocyte_glycoprotein_t1/leu-1_
 x15673mrna_623-1121,ptr2_mrna_for_repetitive_sequence/gb=x15673_/ntype=rna_
 all_x15949_1543-2144,mrna_for_interferon_regulatory_factor-2_(irf-2)_
- 20** x56667mrna_915-1341,mrna_for_calretinin
 x78924cds_55-466:in_reversesequence,_622-631,hzfl_mrna_for_zinc_finger_protein
 x97630_2420-2897,mrna_for_serine/threonine_protein_kinase_emk
 all_x99657_783-1318,mrna_for_protein_containing_sh3_domain,_sh3gl2_
- 25** Metagene 168
- d00761_252-750,mrna_for_proteasome_subunit_hc5_
 d00762_237-777,mrna_for_proteasome_subunit_hc8_
 d13435_526-832,mrna_for_pig-f_(phosphatidyl-inositol-glycan_f),_complete_cds_
- 30** d13969_1638-2148,mrna_for_mel-18_protein,_complete_cds_
 d29677_5709-6231,mrna_for_kiaa0054_gene,_complete_cds
 d31762_6385-6775,mrna_for_kiaa0057_gene,_complete_cds
 d31766_2024-2552,mrna_for_kiaa0060_gene,_complete_cds
 d38449_2311-2791,mrna_for_g_protein-coupled_receptor,_complete_cds_
- 35** d38535_2583-2973,mrna_for_pk-120_
 d43950_1355-1739,mrna_for_kiaa0098_gene,_partial_cds_
 d50487_3756-4098,mrna_for_rna_helicase_(hrh1),_complete_cds
 d50863_1908-2370,mrna_for_tesk1,_complete_cds
 d50922_1972-2452,mrna_for_kiaa0132_gene,_complete_cds

- d50923_5018-5528,mrna_for_kiaa0133_gene,_complete_cds
d78586_6497-6923,cad_mrna_for_multifunctional_protein_cad,_complete_cds
d79993_2741-3167,mrna_for_kiaa0171_gene,_complete_cds
d79997_1881-2415,mrna_for_kiaa0175_gene,_complete_cds
5 d80010_4778-5198,mrna_for_kiaa0188_gene,_partial_cds_
d83776_4596-5166,mrna_for_kiaa0191_gene,_partial_cds_
d83782_3411-3915,mrna_for_kiaa0199_gene,_partial_cds_
d84557_2412-2874,mrna_for_hsmcm6,_complete_cds_
d86968_4437-4899,mrna_for_kiaa0213_gene,_partial_cds_
10 d86971_4851-5325,mrna_for_kiaa0217_gene,_partial_cds_
d86976_3592-4060,mrna_for_kiaa0223_gene,_partial_cds_
hg1019-ht1019_at_hg1019-ht1019_serine_kinase_psk-h1
hg1879-ht1919_at_hg1879-ht1919_ras-like_protein_tc10_
hg2190-ht2260_at_hg2190-ht2260_crystallin_beta_b3_
15 hg2379-ht3997_s_at_hg2379-ht3997_serine_hydroxymethyltransferase,_cytosolic,_altsplice_3_
hg2649-ht2745_s_at_hg2649-ht2745_serine/threonine_protein_kinase_cdk3
hg3033-ht3194_r_at_hg3033-ht3194_spliceosomal_protein_sap_62_
hg3327-ht3504_s_at_hg3327-ht3504_dna-binding_protein_hrfx2_
hg3945-ht4215_at_hg3945-ht4215_phospholipid_transfer_protein_
20 hg4094-ht4364_s_at_hg4094-ht4364_transcription_factor_lsf-id_
hg4433-ht4703_at_hg4433-ht4703_cyclin_d1_promoter
hg511-ht511_at_hg511-ht511_ras_inhibitor_inf_
all_j03764_14604-15049_human_plasminogen_activator_inhibitor-1_gene_exonsto_9_
l04953_2585-3065,x11_protein_(x11)_mrna,_3'_end
25 l09260_781-1171,(chromosome_3p25)_membrane_protein_mrna
l11284_1672-2122_homosapiens_erk_activator_kinase_(mek1)_mrna
l12711_1468-2000,transketolase_(tk)_mrna,_complete_cds
l16991_679-1132,thymidylate_kinase_(cdc8)_mrna,_complete_cds_
l25286_4549-5081,alpha-1_type_xv_collagen_mrna,_complete_cds
30 l32976_2969-3533,protein_kinase_(mlk-3)_mrna,_complete_cds_
l36529mrna_1491-2043,(clone_n5-4)_protein_p84_mrna,_complete_cds_
l36983mrna_3012-3546,dynamin_(dnm)_mrna,_complete_cds_
l37347_1301-1835,integral_membrane_protein_(nramp2)_mrna,_partial
all_m13241_5990-6537,n-myc_gene_exonsand_3_
35 all_m15205_12942-
l3411,thymidine_kinase_gene,_complete_cds,_with_clustered_alu_repeats_in_the_intron
m16707mrna_6-
357,histone_h4_gene,_complete_cds,_clone_fo108,histone_h4_gene,_complete_cds,_clone_fo1
m20747_1519-2034,insulin-responsive_glucose_transporter_(glut4)_mrna,_complete_cds_

- m21121_958-1129,t_cell-specific_protein_(rantes)_mrna,_complete_cds
 m21154mrna_1234-1756,s-adenosylmethionine_decarboxylase_mrna,_complete_cds_
 m23668exon_743-1271,adrenodoxin_gene
 m24470mrna_911-1355,glucose-6-phosphate_dehydrogenase,_complete_cds
5 m25280_1753-2299,lymph_node_homing_receptor_mrna,_complete_cds_
 m28249_4850-5306,very_late_antigen-2_(vla-2)/collagen_receptor_alpha-
 2_subunit_mrna,_complete_cds
 m29536_1025-1361,translational_initiation_factorbeta_subunit_(elf-2-beta)_mrna,_complete_cds
 m34539_1051-1477,fk506-binding_protein_(fkbp)_mrna,_complete_cds_
10 m38591_120-600,cellular_ligand_of_annexin_ii_(p11)_mrna,_complete_cds_
 m54915_2208-2236,h-pim-1_protein_(h-pim-1)_mrna,_complete_cds
 m60091_1118-1248,galactose-1-phosphate_uridyl_transferase_mrna,_complete_cds_
 m60450_1932-2404,voltage-gated_potassium_channel_(hk1)_mrna,_complete_cds
 m60527mrna_1877-2369,deoxycytidine_kinase_mrna,_complete_cds_
15 m63180_2055-2505,threonyl-trna_synthetase_mrna,_complete_cds_
 m69013_1053-1515,guanine_nucleotide-binding_regulatory_protein_(g-y-
 alpha)_mrna,_complete_cds
 m69039_625-1171,pre-mrna_splicing_factor_sf2p32,_complete_sequence_
 m86852_1041-1557,peroxisome_assembly_factor-1_mrna,_complete_cds_
20 m87339_875-1361,replication_factor_37-kda_subunit_mrna,_complete_cds
 m87434_2316-2862,71_kda_2'_5'_oligoadenylate_synthetase_(p69_2-
 5a_synthetase)_mrna,_complete_cds_
 s77356_3-
 41,_transcript_ch21=oligomycin_sensitivity_conferral_protein_oscp_homolog_[human,_rf1,rf48_
25 s78187_2548-3064,_cdc25hu2=cdc25+_homolog_[human,_mrna,_3118_nt]
 u04810_2050-2536,tastin_mrna,_complete_cds_
 u05681exon#7_111-544,proto-oncogene_bcl3_gene
 u10362_848-1352,gp36b_glycoprotein_mrna,_complete_cds
 u14391_4095-4623,myosin-ic_mrna,_complete_cds
30 u15131_3802-4252,p126_(st5)_mrna,_complete_cds_
 u20428_2450-2840,snc19_mrna_sequence_
 u24704_790-1264,antisecretory_factor-1_mrna,_complete_cds
 u29607_1974-2148,methionine_aminopeptidase_mrna,_complete_cds
 u34683_1261-1735,glutathione_synthetase_mrna,_complete_cds_
35 u41668_520-976,deoxyguanosine_kinase_mrna,_complete_cds
 u52828_1418-1882,cri-du-chat_region_mrna,_clone_niba2
 u53347_2278-2812,neutral_amino_acid_transporter_b_mrna,_complete_cds_
 u56402_2969-3471,chromatin_structural_protein_homolog_(supt5h)_mrna,_complete_cds
 u58766_741-1299,fx_protein_mrna,_complete_cds

- u59752_524-938,sec7p-like_protein_mrna_partial_cds
u59919_2047-2575,smg_gds-associated_protein_smap_mrna_complete_cds
u60325_3700-
4252,dna_polymerase_gamma_mrna_nuclear_gene_encoding_mitochondrial_protein_complete_cd
5 u62293mrna_2576-3152,limk1_gene_(lim-kinase1)_extracted_fromlim-
kinase1_and_alternatively_spliced_1
u69127_2758-3106,fuse_binding_protein(fbp3)_mrna_partial_cds_
u71374_617-1157,hspex13p_mrna_complete_cds/gb=u71374_/ntype=rna_
all_u73167_4971-
10 35099_h_luca14.2a_gene_extracted_fromcosmid_luca14_h_luca14.2a_gene_extracted_from
u83463_1406-1862,scaffold_protein_pbp1_mrna_complete_cds
u86070_629-1205,phosphomannomutase_mrna_complete_cds
u87269_1976-2468,p120c4f_transcription_factor_mrna_complete_cds.
u91985_1014-1320,dna_fragmentation_factor-45_mrna_complete_cds
15 u94319_2044-2404,autoantigen_dfs70_mrna_partial_cds.
all_x03794_570-1150,embryonic_mrna_3'_end_with_homoeo_box_(clone_hhoc10)_
all_x05299_2010-2572,mrna_(~95%)_for_major_centromere_autoantigen_cenp-b_
all_x06389_1582-2087,mrna_for_synaptophysin_(p38)
all_x07695_1175-1722,mrna_for_cytokeratinc-terminal_region
20 all_x15331_813-1194,mrna_for_phosphoribosylpyrophosphate_synthetase_subunit_one
x15722cds_931-1411:in_reversesequence,_1569-1575,mrna_for_glutathione_reductase_(ec_1.6.4.2)
x15822cds_18-222:in_reversesequence,_13-379,cox_viaa-l_mrna_for_liver-
specific_cytochrome_c_oxidase_
x17620mrna_257-
25 677,mrna_for_nm23_protein_involved_in_developmental_regulation_(homologto_drosophila
x54637cds_3359-3539:in_reversesequence,_3857-4133,tyk2_mrna_for_non-
receptor_protein_tyrosine_kinase
all_x59727_3618-4201,63_kda_protein_kinase_related_to_rat_erk3_
x63417cds_170-524:in_reversesequence,_560,irlb_mrna_
30 all_x63522_1800-1997,mrna_daudi6_for_retinoic_acid_x_receptor_b
x63657mrna_1683-2169,fvt1_mrna_
x63679cds_587-1073,mrna_for_tramp_protein
all_x69115_718-998,znf37a_mrna_for_zinc_finger_protein_
x71129cds_213-705,mrna_for_electron_transfer_flavoprotein_beta_subunit_
35 x74330cds_788-1154:in_reversesequence,_1281-1335,mrna_for_dna_primase_(subunit_p48)_
x74801cds_1282-1552:in_reversesequence,_1636-1837,cctg_mrna_for_chaperonin
x74874mrna_5857-
6262,ma_polymerase_ii_largest_subunit_gene_extracted_fromgene_for_rna_pol_ii_large
x78992cds_1349-1373,erf-2_mrna_

- all_x80910_3085-3566,ppp1cb_mrna_
x81788_397-799,ds-1_mrna_
x92720cds_1540-1888:in_reversesequence,_1978-
2086,mrna_for_phosphoenolpyruvate_carboxykinase
- 5 x93510cds_548-956:in_reversesequence,_1021-1069,mrna_for_37_kda_lim_domain_protein
x97544cds_291-453:in_reversesequence,_508-724,mrna_for_tim17_preprotein_translocase_
x98248mrna_3140-3698,mrna_for_sortilin
x98534exon#10_287-798,vasp_gene,_exonsto_13_
x99947_2580-2922:in_reversesequence,_2994-3084,mrna_dynein-related_protein
- 10 y00636cds_586-688:in_reversesequence,_739-
985,mrna_for_lymphocyte_function_associated_antigen-3_(lfa
all_y11681_529-1040,mrna_for_mitochondrial_ribosomal_protein_s12/gb=y11681/_ntype=rna_
z23064_1461-1755,mrna_gene_for_hmrnp_g_protein_
all_z48042_2679-3232,mrna_encoding_gpi-anchored_protein_p137_
- 15 all_z70219_4-188,mrna_for_5'utr_for_unknown_protein_(clone_icrfp507c0696)
z84497cds_1915-2230:in_fullsequence,_18383-
18624,dna_sequence_from_cosmid_o14_on_chromosomecontains_
- Metagene 388
- 20 d38128exon_604-1126,ip_gene_for_prostacyclin_receptor
d43638_2961-3393,mrna_for_mtg8a_protein,_complete_cds
hg2167-ht2237_at_hg2167-ht2237_protein_kinase_ht31,_camp-dependent_
hg2715-ht2811_at_hg2715-ht2811_tyrosine_kinase_
- 25 hg3492-ht3686_at_hg3492-ht3686_uncoupling_protein_ucp
l11373_4183-4609,protocadherin_43_mrna,_complete_cds_for_abbreviated_pc43
l34409_624-990,(clone_b3b3e13)_chromosome_4p16.3_dna_fragment_
l36645mrna_2716-3034,receptor_protein-tyrosine_kinase_(hek8)_mrna,_complete_cds_
m16801mrna_5250-5724,mineralocorticoid_receptor_mrna_(hmr),_complete_cds_
- 30 m60556mrna#1_503-839,_tgfb3_gene_(transforming_growth_factor-
beta_3)_extracted_fromtransforming_grow
m74096_1694-2096,long_chain_acyl-coa_dehydrogenase_(acadi)_mrna,_complete_cds
m97676_1406-1646,(region_7)_homeobox_protein_(hox7)_mrna,_complete_cds
s73840_408-
- 35 784,_type_iix_myosin_heavy_chain_{3'_region}_[human,_skeletal_muscle,_mrna_partial,_827_n
s81661_588-1164,_keratinocyte_growth_factor_[human,_mrna,_1200_nt]
u02683_2758-3318,alpha_palindromic_binding_protein_mrna,_complete_cds
u08096exon_31-481,peripheral_myelin_protein-22_(pmp22)_gene,_non-
coding_exon_1b/gb=u08096/_ntype=dna

u37122_1877-2387,adducin_gamma_subunit_mrna,_complete_cds
 u44754_809-1253,pse-binding_factor_ptf_gamma_subunit_mrna,_complete_cds
 u69546_1903-2299,rna_binding_protein_etr-3_mrna,_complete_cds
 u79251_1285-1747,clone_23878_mrna_sequence_
5 all_x04325_1113-1558,liver_mrna_for_gap_junction_protein_
 all_x59350_2679-3220,mrna_for_b_cell_membrane_protein_cd22_
 x67697cds_1-145:in_reversesequence,_63-603,he2_mrna_

Metagene 378

10

d87011cds_1308-1590:in_fullsequence,_24060-
 24222,(lamuda)_dna_for_immunoglobulin_light_chain_
 j04156mrna_1030-1510,interleukin(il-7)_mrna,_complete_cds_
 s95936_1806-2268,_transferrin_[human,_liver,_mrna,_2347_nt]
15 u24153_1796-1994,p21-activated_protein_kinase_(pak2)_gene,_complete_cds

Metagene 359

20

d86975_5570-5978,mrna_for_kiaa0222_gene,_complete_cds
 105514cds_20-116:in_reversesequence,_1789-1815:not_in_gb_record,histatin(his2)_gene_
 all_x83857_1431-1809,mrna_for_prostaglandin_e_receptor_(ep3a1)_

Metagene 261

25

hg274-h1274_s_at_hg274-h1274_gamma-glutamyltransferase
 u49379_2051-2537,diacylglycerol_kinase_epsilon_dgk_mrna,_complete_cds
 u81607_6007-6535,gravin_mrna,_complete_cds_
 all_x81479_2655-3118,mrna_for_emr1_hormone_receptor
 x86816mrna_4-193,estrogen_receptor_cdna,_5'_splice_variant/gb=x86816_/ntype=rna

30

Metagene 234

35

u50822mrna_909-1375,neurogenic_helix-loop-helix_protein_neurod_(neurod)_gene,_complete_cds
 u68030_2365-2665,g_protein-coupled_receptor_(strl22)_mrna,_complete_cds
 all_u77827_1053-1630,orphan_g_protein-coupled_receptor_(cepr)_gene,_complete_cds.
 all_x77366_4160-4689,hbz17_mrna

Metagene 227

- aj001047cds_485-791:in_reversesequence,_959-1013,mrna_for_matrilin-3/gb=aj001047_/ntype=rna
d25216_4968-5256,mrna_for_kiaa0014_gene,_complete_cds
d29012_230-752,mrna_for_proteasome_subunit_y,_complete_cds_
d29954_4458-4920,mrna_for_kiaa0056_gene,_partial_cds_
5 d45906_3097-3613,mrna_for_limk-2,_complete_cds_
d50810_3494-3992,mrna_for_placental_leucine_aminopeptidase,_complete_cds_
d50913_1494-2052,mrna_for_kiaa0123_gene,_partial_cds_
d63160exon_6-306:in_reversesequence,_9:not_in_gb_record,dna_for_lectin_p35_
d83703_2605-3169,mrna_for_peroxisome_assembly_factor-2,_complete_cds_
10 d90042_675-1215,liver_arylamine_n-acetyltransferase_(ec_2.3.1.5)_gene
hg2036-ht2090_at_hg2036-ht2090_stimulatory_gdp/gtp_exchange_protein_for_c-ki-
ras_p21_and_smg_p21_
hg2566-ht4867_at_hg2566-ht4867_microtubule-associated_protein_tau,_altsplice_5,_exon_4a'
hg2706-ht2802_at_hg2706-ht2802_serine/threonine_kinase_
15 hg3976-ht4246_at_hg3976-ht4246_pou-domain_dna_binding_factor_pit1,_pituitary-specific
hg870-ht870_at_hg870-ht870_golgin,_165_kda_polypeptide_
hg909-ht909_at_hg909-ht909_mg81
j02876mrna_616-1180,placental_folate_binding_protein_mrna,_complete_cds
105147_266-812,dual_specificity_phosphatase_tyrosine/serine_mrna,_complete_cds_
20 110405_1364-
1910,dna_binding_protein_for_surfactant_protein_b_mrna,_complete_cds/gb=110405_/ntype=rn
114754_3369-3813,dna-binding_protein_(smbp2)_mrna,_complete_cds
119058_2599-3163,glutamate_receptor_(glur5)_mrna,_complete_cds_
126494_1598-2084,(oct-6)_mrna,_complete_cds_
25 l29433exon_53-587,factor_x_(blood_coagulation_factor)_gene_
l36861exon#4_247-757,guanylate_cyclase_activating_protein_(gcap)_gene_exons_1-
4,_complete_cds_
all_l36922_938-1125,met-ase_gene,_exon_1
l40377mrna_766-1276,cytoplasmic_antiproteinase(cap2)_mrna,_complete_cds
30 l47738_2286-2856,inducible_protein_mrna,_complete_cds_
all_m16652_714-
760,pancreatic_elastase_ii_mrna,_complete_cds,pancreatic_elastase_ii_mrna,_complete
m31651cds_900-1146:in_reversesequence,_5912-6098,human_sex_hormone-
binding_globulin_(shbg)_gene,_com
35 all_m34041_1414-2015,alpha-2-adrenergic_receptor_(alpha-2_c2)_gene,_complete_cds_
m35878exon#4_1993-2443,insulin-like_growth_factor-binding_protein-
3_gene,_complete_cds,_clone_hl1006
all_m58378_75-406:in_m58378cds#1_1893-
1930:in_m58378cds#2_2002,_syn1_gene_(synapsin_i)_extracted_fro

- m64595mrna_216-648,small_g_protein_(gx)_mrna,_3'_end_
m76180_1461-1887,aromatic_amino_acid_decarboxylase_(ddc)_mrna,_complete_cds
m86757_2-372,psoriasin_mrna,_complete_cds
m91438cds_55-181:in_reversesequence,_300-540,kazal-type_serine_proteinase_(husi-
5 ii)_gene,_complete_c
m93718_3536-4034,nitric_oxide_synthase_mrna,_complete_cds
m94077exon#2_657-1125,loricrin_gene_exonsand_2,_complete_cds
m94547mrna_55-565,_hummlc2at;_homo_sapiens;_:_593_base-pairs
m95712_2005-2407,b-raf_mrna,_complete_cds
10 m98045_1593-2097,folylpolyglutamate_synthetase_mrna,_complete_cds_
all_s57887_739-
980,(t1)=elastin_translocation_allele_{exon_28,_translocation}_[human,_genomic_mutan
s67070_55-
421,_heat_shock_protein_hsp72_homolog_[human,_thyroid_associated_opthalmopathy_patient,_m
15 s82198_323-827,_caldecrin=serum_calcium-
decreasing_factor_[human,_pancreas,_mrna_partial,_894_nt]
u06088exon_220-730,n-acetylgalactosamine_6-sulphatase_(galns)_gene_
u08191_4687-5220,r_kappa_b_mrna,_complete_cds
u09850_3337-3769,zinc_finger_protein_(znf143)_mrna,_complete_cds_
20 u13045_2126-2690,nuclear_respiratory_factor-2_subunit_betamrna,_complete_cds
all_u15177_2291-2724,cosmid_cri-jc2015_at_d10s289_in_10sp13
u22526_2677-3157,2,3-oxidosqualene-lanosterol_cyclase_mrna,_complete_cds_
u35234_6175-6290,protein_tyrosine_phosphatase_sigma_mrna,_complete_cds_
u41763_4933-5485,muscle_specific_clathrin_heavy_chain_(cltd)_mrna,_complete_cds
25 u42412_977-1535,5'-amp-activated_protein_kinase,_gamma-1_subunit_mrna,_complete_cds_
u48408_752-1322,kidney_water_channel_(hkid)_mrna,_complete_cds_
u49260_1284-1761,mevalonate_pyrophosphate_decarboxylase_(mpd)_mrna,_complete_cds_
u49395_1361-1907,ionotropic_atp_receptor_p2x5a_mrna,_complete_cds
u52112mrna#5_896-
30 1340,xq28_genomic_dna_in_the_region_of_the_11cam_locus_containing_the_genes_for_neu
u55258cds_3452-3872:in_reversesequence,_4031-4091,hbravo/nr-cam_precursor_(hbravo/nr-
cam)_gene,_comp
all_u57341_2-
129,neurofilament_triplet_1_protein_mrna,_partial_cds/gb=u57341/_ntype=ma,neurofilamen
35 u60666_1923-2415,testis_specific_leucine_rich_repeat_protein_(tslrp),_complete_cds_
u65402cds_651-915:in_reversesequence,_1437-1647,seven_transmembrane_g-
coupled_receptor_(gpr31)_gene,
u68485_1356-1788:not_in_gb_record,box-dependent_myc-interacting_protein-
1_(bin1)_mrna,_complete_cds_

- u70064_6458-7030,lysosomal_trafficking_regulator_(lyst)_mrna,_partial_cds_
u72209_432-990,yy1-associated_factor(yaf2)_mrna,_complete_cds_
u87964_1515-2094,putative_g-protein_(gp-1)_mrna,_complete_cds
x00090cds_6-356,histone_h3_gene
- 5** all_x00695_6073-6372,interleukin-2_(il-2)_gene_and_5'-flanking_region_
x01715cds_1338-
1537:not_in_gb_record,gene_fragment_for_the_acetylcholine_receptor_gamma_subunit_prec
x05360cds_353-785,cdc2_gene_involved_in_cell_cycle_control_
all_x13810_1940-1986,otf-2_mrna_for_lymphoid-specific_transcription_factor_
x51952mrna_355-
- 10** 517,_ucp_fromucp_gene_for_uncoupling_protein_exonsand/gb=x51952_/ntype=dna_/annot=exo
all_x63717_1962-2473,mrna_for_apo-1_cell_surface_antigen_
x66839cds_909-1335:in_reversesequence,_1407-1491,matu_mn_mrna_for_p54/58n_protein_
x69950exon#1_1485-2039,dna_sequence_for_wilms'_tumor_gene
- 15** all_x70297_1563-2020,mrna_for_neuronal_nicotinic_acetylcholine_receptor_alpha-7_subunit
x77777_2210-2771,intestinal_vip_receptor_related_protein_mrna
all_x96969_1470-1759,mrna_for_urea_transporter_
x99656cds_798-1068:in_reversesequence,_1251-
1329,mrna_for_protein_containing_sh3_domain,_sh3gl1_
x99656cds_798-1068:in_reversesequence,_1251-
- 20** reverse_y10871_4016-4220,twist_gene
z25884cds_2453-2897:in_reversesequence,_3062-3068,mrna_for_clc-
1_muscle_chloride_channel_protein
z48475cds_1531-1795:in_reversesequence,_1918-2128,gckr_mrna_for_glucokinase_regulator_
all_z69720_14484-
- 25** 15067,dna_sequence_from_cosmid_ra36_from_a_contig_from_the_tip_of_the_short_arm_of_
all_z70220_31-266,mrna_for_5'utr_for_unknown_protein(clone_icrfp507o0882).
reverse_z95624_34190-
34542,dna_sequence_from_cosmid_u237h1_contains_ras_like_gtpase_and_ests.
- 30** Metagene 217
d17793_633-1161,mrna_for_kiaa0119_gene,_complete_cds_
hg64-ht64_at_hg64-ht64_nf-kappa_b-binding_protein_kbp-1
k03474exon#5_562-829:in_reversesequence,_2817-
- 35** 2919,mullerian_inhibiting_substance_gene,_complete_cds
100022cds_1249-1679:in_reversesequence,_1750-1816,ig_active_epsilon1_5'_ut_v-d-
j_region_subgroup_vh
m31774_1858-2392,thyrotropin_receptor_(tsh)_mrna,_complete_cds_
u58033_24-366,myotubularin_related_protein(mtmr2)_gene,_partial_cds/gb=u58033_/ntype=rna

x06290cds_13307-13442:in_reversesequence,_13709-13913,mrna_for_apolipoprotein(a)_
 x87843cds_690-894:in_reversesequence,_1045-1201,mrna_for_cyclin_h_assembly_factor_
 x99350mrna_1863-2424,_hfh4_cds_gene_extracted_fromhfh4_gene,_exonand_joined_cds

5 Metagene 66

d49824_945-1110,hla-b_null_allele_mrna,hla-b_null_allele_mrna_
 hg862-ht862_s_at_hg862-ht862_transition_protein_
 j04040mrna_563-1016,glucagon_mrna,_complete_cds

- 10 m15881_1752-2310,uromodulin_(tamm-horsfall_glycoprotein)_mrna,_complete_cds
 u77970_2339-2855,neuronal_pas2_(npas2)_mrna,_complete_cds
 x67318cds_851-1229:in_reversesequence,_1260,mrna_for_procarboxypeptidase_a1_

Metagene 60

15

u31382_69-621,g_protein_gamma-4_subunit_mrna,_complete_cds_
 x07820cds_1252-1378:in_reversesequence,_1430-1694,mrna_for_metalloproteinase_stromelysin-2
 x14329cds_1050-1350:in_reversesequence,_1569-
 1641,mrna_for_carboxypeptidase_n_small_subunit_(ec_3.4.

20

z47043cds_540-
 1080,partial_cdna_sequence,_clone_x529,_unknown_open_reading_frame;/gb=z47043/_ntype=d

Metagene 48

- 25 d26561cds#2_153-435:in_reversesequence,_3711-
 3717,_orf_for_1l_protein_gene_extracted_frompapillomavi
 hg3703-ht3915_s_at_hg3703-ht3915_udp-
 glucuronosyltransferasefamily,_polypeptide_1,_altsplice_1
 all_137868_3521-4088,pou-domain_transcription_factor_(n-oct-3),_complete_cds
 30 x74819cds_509-809:in_reversesequence,_913-1015,mrna_for_cardiac_troponin_t

Metagene 21

- af012270_815-1325,peropsin_(nrh)_mrna,_complete_cds/gb=af012270/_ntype=ma
 35 l40411mrna_43-511,thyroid_receptor_interactor_(trip8)_mrna,_3'_end_of_cds_
 all_x64877_494-529,mrna_for_serum_protein,mrna_for_serum_protein

Metagene 17

- d50931_2527-2971,mrna_for_kiaa0141_gene,_complete_cds
 m97016_1231-1803,osteogenic_protein-2_(op-2)_mrna,_complete_cds.
 s58544_1884-2382,_75_kda_infertility-
 related_sperm_protein_[human,_testis,_mrna_partial,_2427_nt]_
- 5** s81737_1159-1681,_alphasyntrophin_[human,_mrna_partial,_1771_nt]_
 u06233_2545-3055,pou_domain_protein_(brn-3b)_mrna,_complete_cds
 u07681_2075-2585,nad(h)-
 specific_isocitrate_dehydrogenase_alpha_subunit_precursor_mrna,_complete_cds
 u68385_1259-1643,meis1-related_protein(mrg2),_mrna,_partial_cds.
- 10** u69108_2155-2632,tnf_receptor_associated_factor_mrna,_partial_cds_
 all_x79066_390-973,_hsapiens_erf-1_mrna_5'_end
 x91653_exon_5-125,dna_for_exon_encoding_for_n-
 acetylglucosaminyltransferase_v_(340_bp)/gb=x91653_/nty
 y00083_cds_902-1201:in_reverse_sequence,_1416-1641,mrna_for_glioblastoma-derived_t-
- 15** cell_suppressor_fac
- Metagene 478
- k02402_exon#8_1383-1875,coagulation_factor_ix_gene,_complete_cds
- 20** l41162_1879-2419,collagen_alpha_type_ix_(col9a3)_mrna,_complete_cds_
 all_m21388_2-95,unproductively_rearranged_ig_mu_chain_mrna_v-region_(vd),_5'_end,_clone_mu-
 3a1a,unp
 all_m29610_446-476,glycophorin_e_mrna,_complete_cds,glycophorin_e_mrna,_complete_cds
 u79286_934-1294,arginine_methyltransferase_mrna,_complete_cds
- 25**
- Metagene 313
- ac002045_mrna#1_643-838,_a-589h1.1_from_chromosome_bac_clone_cit987-ska-
 589h1_~complete_genomic_sequence
- 30** aj000099_1243-1750,mrna_for_lyosomal_hyaluronidase/gb=aj000099_/ntype=rna
 d83260_604-1150,hxc-26_mrna,_complete_cds
 j04823_mrna_61-391,cytochrome_c_oxidase_subunit_viii_(cox8)_mrna,_complete_cds_
 l11066_2272-2770,mrna_sequence_
 l13939_3297-3791,beta_adaptin_protein_mrna,_complete_cds_
- 35** l25878_1092-1657,p33/heh_epoxide_hydrolase_(ephx)_mrna,_complete_cds
 m34668_3044-3590,protein_tyrosine_phosphatase_(ptpase-alpha)_mrna
 m64929_1572-2100,protein_phosphatase_2a_alpha_subunit_mrna,_complete_cds_
 m74491_3066-3552,adp-ribosylation_factor_mrna,_complete_cds
 m88279_1591-2131,immunophilin_(fkbp52)_mrna,_complete_cds

- m94046_1788-2346,zinc_finger_protein_(maz)_mrna
s82470_1398-1836,bb1=malignant_cell_expression-enhanced_gene/tumor_progression-enhanced_gene_[human]
u04241_979-1264,homolog_of_drosophila_enhancer_of_split_m9/m10_mrna,_complete_cds
- 5** u13991_335-713,tata-
binding_protein_associated_factor_30_kda_subunit_(tafi30)_mrna,_complete_cds
u18937_1840-2344,histidyl-trna_synthetase_homolog_(ho3)_mrna,_complete_cds_
u32986_3609-4126,xeroderma_pigmentosum_group_e_uv-damaged_dna_binding_factor_mrna,_complete_cds
- 10** u37146_5411-
5927,silencing_mediator_of_retinoid_and_thyroid_hormone_action_(smrt)_mrna,_complete_cds
u41635_2207-2651,os-9_precucosor_mrna,_complete_cds
u60644_1537-1957,hu-k4_mma,_complete_cds
u65579_138-648,mitochondrial_nadh_dehydrogenase-ubiquinone_fe-
- 15** s_protein_8,_23_kda_subunit_precursor_
u67171_229-697,selenoprotein_w_(selw)_mrna,_complete_cds/gb=u67171/_ntype=rna
u78735_5872-6424,abc3_mrna,_complete_cds.
u79287_813-1305,clone_23867_mrna_sequence
u82108_987-1464,sip-1_mrna,_complete_cds_
- 20** u83246_1364-1904,copine_i_mma,_complete_cds_
u95040_2366-2876,transcriptional_corepressor_hkap1/tif1b_mrna,_complete_cds
all_x04106_907-1478,mrna_for_calcium_dependent_protease_(small_subunit)
x57346cds_308-674:in_reversesequence,_1118-1154,mrna_for_hsl_protein
x70649_2231-2663,cl.1042_mrna_of_dead_box_protein_family_
- 25** all_x72964_606-1027,mrna_for_caltractin
all_x73358_355-815,haes-1_mrna_
x92896exon#2-3_39-222:in_reversesequence,_295-301,mrna_for_itba2_protein
x98801cds_3489-3729:in_reversesequence,_3771-4017,mrna_for_dynactin_
x99728exon_13-247,ndufv3_gene,_exon/gb=x99728/_ntype=dna/_annot=exon
- 30** y07604cds_291-483:in_reversesequence,_572-776,mrna_for_nucleoside-diphosphate_kinase_
z14244cds_31-169:in_reversesequence,_43-
409,coxviib_mrna_for_cytochrome_c_oxidase_subunit_viiB
z56281cds_772-1222:in_reversesequence,_1334-1382,mrna_for_interferon_regulatory_factor_3
all_z69881_3952-4535,mrna_for_adenosine_triphosphatase,_calcium
- 35** Metagene 207
- hg2160-ht2230_at_hg2160-ht2230_glutamate_decarboxylase
u68723_2126-2576,checkpoint_suppressormrna,_complete_cds

x76059cds_1208-1424:in_reversesequence,_1709-1807,mrna_for_yrrm1

Metagene 206

- 5 m90354cds_29-301:in_reversesequence,_1165-1197,btf3_protein_homologue_gene,_complete_cds
u57452_43-103,snf1-like_protein_kinase_mrna,_partial_cds/gb=u57452_/ntype=rna
u62432_1759-
1881,nicotinic_acetylcholine_receptor_alpha3_subunit_precursor,_mrna,_complete_cds_
x87852cds_5374-5560:in_reversesequence,_5780-5966,mrna_for_sex_gene_
10 all_z29678_1247-1740,mitf_mrna_

Metagene 62

- u07132_1415-1961,steroid_hormone_receptor_ner-i_mrna,_complete_cds_
15 x99374cds_1846-2174:in_reversesequence,_2211-2318,mrna_for_fertilin_beta

Metagene 387

- ab002409_293-791,mrna_for_slc,_complete_cds/gb=ab002409_/ntype=rna
20 af009368_901-1345,luman_mrna,_complete_cds/gb=af009368_/ntype=rna_
d11327_2099-2638,mrna_for_protein-tyrosine_phosphatase,_complete_cds_
d16827cds_767-1064:in_reversesequence,_1124-
1132,gene_for_fifth_somatostatin_receptor_subtype_
d17461exon#1-3_13-102:not_in_gb_record,gulo_gene_for_l-gulono-gamma-
25 lactone_oxidase,_exon_9,10_and/g
d21089_2957-3515,mrna_for_xp-c_repair_complementing_protein_(p125),_complete_cds_
d31891_3786-4275,mrna_for_kiaa0067_gene,_complete_cds
d32002_2454-3001,mrna_for_nuclear_cap_binding_protein,_complete_cds
d42053_3755-4277,mrna_for_kiaa0091_gene,_complete_cds
30 d50312_1206-1668,mrna_for_ukatp-1,_complete_cds
d63485_2710-3196,mrna_for_kiaa0151_gene,_complete_cds
d85939_746-1037,mrna_for_p97_homologous_protein,_complete_cds
d87012cds_1986-2226:in_fullsequence,_34522-34687,(lambda)_dna_for_immunoglobulin_light_chain
d87432_5731-6253,mrna_for_kiaa0245_gene,_complete_cds
35 d90279_5154-5590,mrna_for_collagen_alpha_1(v)_chain,_complete_cds
hg2442-ht2538_at_hg2442-
ht2538_tropomyosin,_alpha,_muscle,_altsplice_2,_skeletal_muscle_(fibroblast)
hg2686-ht2782_at_hg2686-ht2782_ryanodine_receptor_

- hg2992-ht5186_at_hg2992-ht5186_beta-
 hexosaminidase, alpha polypeptide, abnormal splice mutation
 hg3175-ht3352_at_hg3175-ht3352_carcinoembryonic_antigen
 hg3254-ht3431_at_hg3254-ht3431_phosphatidylinositol_3-kinase_p110, beta isoform
- 5 j00220_cds4_at_j00220_j00220,not_in_gb_record,ig_germline_h-chain_g-e-a_region_a: gamma-3_5' flank,i
 j02854_531-1089,20-kda_myosin_light_chain_(mlc-2)_mrna, complete_cds_
 j03810_2627-3113,liver_glucose_transporter-like_protein_(glut2), complete_cds
 all_k03430_414-853,complement_c1q_b-chain_gene_
- 10 l04751_1994-2510,cytochrome_p-450_4a_(cyp4a)_mrna, complete_cds
 l10378_1130-1640,(clone_ctg-b43a)_mrna_sequence
 l10955cds#1_184-560:in_reversesequence, 394-
 467, carbonic_anhydrase_iv_gene_extracted_fromcarbonic_a
 l11369_756-1296,protocadherin_42_mrna, 3' end_of_cds_for_alternative_splicing_pc42-8_
- 15 all_l11672_3552-
 3579,kruppel_related_zinc_finger_protein_(htf10)_mrna, complete_cds,kruppel_related_
 l13329exon_434-938,iduronate-2-sulfatase_(ids)_gene_
 l14565exon#9_5-359,peripherin_(prph)_gene_exons_1-9, complete_cds
 l15409_1227-1719,(clone_g7)_von_hippel-lindau_disease_tumor_suppressor_mrna_sequence
- 20 l20815_2031-2445,s_protein_mrna, complete_cds
 l29376_616-1126,(clone_3.8-1)_mhc_i_mrna_fragment_
 l33930_1504-2054,cd24_signal_transducer_mrna, complete_cds_and_3'_region
 l42324cds_530-944,(clone_gpcr_w)_g_protein-
 linked_receptor_gene_(gpcr)_gene, 5' end_of_cds/gb=l42324
- 25 l42450mrna_1022-1448,pyruvate_dehydrogenase_kinase_isoenzyme(pdk1)_mrna, complete_cds
 l47125mrna_1504-2055,(chromosome_x)_glypican_(gpc3)_mrna, complete_cds
 l48211cds_31-151:in_reversesequence, 1691-1775,angiotensin_ii_receptor_gene, complete_cds
 l49173cds_13-116,ocp2_gene, partial_cds/gb=l49173_/ntype=dna_/annot=cds
 m14539_3238-3730, factor_xiii_subunit_a_mrna, 3' end
- 30 m19507mrna#4_2620-3184,myeloperoxidase_mrna, complete_cds
 m20778_401-974, homo_sapien, alpha-3_(vi)_collagen
 m20786exon_630-1146,alpha-2-plasmin_inhibitor_gene_
 all_m21494_152-645:in_m21494cds_888-967,muscle_creatine_kinase_gene_(ckmm), 5' flank
 all_m22919_3226-3665, mlc_gene_(non-
- 35 muscle_myosin_light_chain)_extracted_fromnonmuscle/smooth_muscle
 m37755exon_15-256:in_reversesequence, 280-453:not_in_gb_record, pregnancy-specific_beta-1-
 glycoprotei
 m58583_989-1487,precerebellin_and_cerebellin_mrna, complete_cds
 m64347_3336-3720,novel_growth_factor_receptor_mrna, 3'_cds_

- m74297_1161-1551,homeobox_1.4_protein_mrna,_complete_cds_
m75106_1138-1618,prepro-plasma_carboxypeptidase_b_mrna,_complete_cds_
m77810_2324-2585,transcription_factor_gata-2_(gata-2)_mrna,_complete_cds_
m82827mrna_2078-2228,fusion_protein_mrna,_complete_cds.
- 5** m91467_1375-1861,serotonin_receptor_(5ht1e)_mrna,_complete_cds_
m95929_1015-1399,homeobox_protein_(phox1)_mrna,_3'_end_
s76638_2553-3003,_p50-nf-
kappa_b_homolog_[human,_peripheral_blood_t_cells,_mrna,_3113_nt]_
s82240_274-802,_rho=26_kda_gtpase_homolog_[human,_hela_cell_line,_mrna,_833_nt] .
- 10** u03090_457-955,ca2+-dependent_phospholipase_a2_mrna,_complete_cds
all_u04325_3581-3780,_psg11_gene_(pregnancy-specific_beta-1-glycoproteinc-
a_domain)_extracted_frompr
u07969_2956-3259,intestinal_peptide-associated_transporter_hpt-1_mrna,_complete_cds
u08438exon#15_1106-1571,beta-adrenergic_receptor_kinase_(adrbk1)_gene
- 15** u17034_4182-4584,soluble_pla2_receptor_mrna,_complete_cds
u18550exon_1402-1954,gpr3_g_protein-coupled_receptor_gene,_complete_cds
u22961_2627-3194,mrna_clone_with_similarity_to_l-glycerol-3-
phosphate:nad_oxidoreductase_and_albumin
u24685cds_123-336:in_reversesequence,_420-447,anti-
- 20** b_cell_autoantibody_igm_heavy_chain_variable_v-d-
u40152_2541-3103,origin_recognition_complex(hsorc1)_mrna,_complete_cds
u55766_535-1081,rev_interacting_protein_rip-1_mrna,_complete_cds_
u64805_1668-2218,brcal-delta11b_(brcal)_mrna,_complete_cds/gb=u64805_/ntype=rna
u65011_1625-2039,preferentially_expressed_antigen_of_melanoma_(prame)_mrna,_complete_cds.
- 25** u69961_1565-1997,solurshin_(rgs)_mrna,_complete_cds
u70136_4546-4957,megakaryocyte_stimulating_factor_mrna,_complete_cds_
u71598_444-792,zinc_finger_protein_zfp2_(zf2)_mrna,_partial_cds
u88726_55-433,symplekin_mrna,_partial_cds/gb=u88726_/ntype=rna_
u90919_1637-2129,clones_23667_and_23775_zinc_finger_protein_mrna,_complete_cds_
- 30** all_x05276_1466-2031,mrna_for_fibroblast_tropomyosin_tm30_(pl)_
all_x05309_4846-5240,mrna_for_c3b/c4b_receptor_(cr1)_f_allotype
x14046cds_479-809:in_reversesequence,_944-1082,mrna_for_leukocyte_antigen_cd37
all_x14362_1961-2370,cr1_mrna_for_c3b/c4b_receptor_secreted_form_
x14675cds_31-163,bcr-abl_mrna_5'_fragment_(clone_3c)/gb=x14675_/ntype=rna
- 35** x55448exon#22_131-683,_g6pd_gene_(glucose-6-
phosphate_dehydrogenase)_extracted_fromg6pd_gene_for_glu
x61373mrna#1_3441-3693:not_in_gb_record,microtubule-'
associated_protein_tau_(tau)_gene,_alternatively
all_x62078_1997-2400,mrna_for_gm2_activator_protein

- x68264mrna_3300-
 3552,_muc18_gene (melanoma associated glycoprotein)_extracted_frommgf_gene_exons_1&2
 x77567cds_853-1215:in_reversesequence,_1354-1518,mrna_for_insp3_5-phosphatase_
 all_x77753_2390-2787,trop-2_gene_
 5 all_x83492_418-500,mrna_for_fas/apo-1_(clone_pertm11-
 fasdelta(4,7))/gb=x83492_/ntype=rna,mrna_for_fa
 x85740mrna_1112-1604,mrna_for_c-c_chemokine_receptor-4_
 x87211cds_486-1041,mrna_for_anion_exchange_protein/gb=x87211_/ntype=rna
 all_x90846_2935-3407,mrna_for_mixed_lineage_kinase_2,mrna_for_mixed_lineage_kinase_2
 10 x97303mrna_11-93,mrna_for_ptg-12_protein/gb=x97303_/ntype=rna
 x98260cds_1280-1706,mrna_for_m-phase_phosphoprotein,_mpp11_
 y08134cds_1026-1362:in_reversesequence,_1531-1573,mrna_for_asm-like_phosphodiesterase_3b
 all_y08223_2471-2952,mfh-1_gene
 z11518mrna_1546-2066,mrna_for_histidyl-trna_synthetase_
 15 z26256exon_64-364,isoformgene_for_1-
 type_calcium_channel_exon/gb=z26256_/ntype=dna_/annot=exon

Metagene 482

- 20 107515_253-790,heterochromatin_protein_homologue_(hp1)_mrna,_complete_cds
 136051exon#6_678-1086,thrombopoietin_gene,_complete_cds
 u04811_1931-2375,trophinin_mrna,_complete_cds
 u09646exon_358-874,carnitine_palmitoyltransferase_ii_precursor_(cpt1)_gene_
 u11701_1316-1862,lim-homeobox_domain_protein_(hlh-2)_mrna,_complete_cds
 25 u23946_1986-2496,putative_tumor_suppressor_(luca15)_mrna,_complete_cds_
 u42359mrna_1197-
 1217,n33_protein_form(n33)_gene,_exonand_complete_cds/gb=u42359_/ntype=dna_/annot=ex
 u49973cds#2_37-
 367,_orf1;_mer37;_putative_transposase_similar_to_pogo_element_fromtigger1_transposab
 30 u79263_995-1535,clone_23760_mrna,_partial_cds
 u86529_584-1130,glutathione_transferase_zeta(gstz1)_mrna,_complete_cds/gb=u86529_/ntype=rna_
 all_x52943_2163-2728,mrna_for_atf-a_transcription_factor_
 x98266cds#2_1028-1340:in_reversesequence,_2103-2223,_ligase-
 like_protein_gene_extracted_frommrna_for
 35 z83802_133-511,mrna_for_axonemal_dynein_heavy_chain_(partial,_id_hdhc3)

Metagene 358

hg2841-ht2970_at_hg2841-ht2970_albumin,_altsplice_5

u12259cds_492-808:in_reversesequence,_16275-16368,paired_box_homeotic_protein_(pax3)_gene
all_y07701_3290-3651,mrna_for_aminopeptidase_

Metagene 305

5

d17357exon_25-295,activin_beta-
a_gene_regulatory_sequence_of_5'_upstream_region/gb=d17357_/ntype=dn
d28124_1346-1886,mrna_for_unknown_product,_complete_cds

d86425_4224-4776,osteoblast_mrna_for_osteonidogen,_complete_cds

10 l12350mrna_5247-5721,thrombospondin(thbs2)_mrna,_complete_cds_

l13923_9109-9601,fibrillin_mrna,_complete_cds_

m12125mrna_671-1013,fibroblast_muscle-type_tropomyosin_mrna,_complete_cds

m83186_103-

316,cytochrome_c_oxidase_subunit_viia_(cox7a)_muscle_isoform_mrna,_complete_cds_

15 m92934mrna_1492-2026,connective_tissue_growth_factor,_complete_cds_

u09278_2285-2735,fibroblast_activation_protein_mrna,_complete_cds

u19718_479-947,microfibril-associated_glycoprotein_(mfap2)_mrna,_complete_cds

u30521_1621-1951,p311_hum_-3.1_mrna,_complete_cds

u89942_2867-3383,lysyl_oxidase-related_protein_(ws9-14)_mrna,_complete_cds_

20 x02419mrna_1754-2210,upa_gene_

x57579exon_545-840:in_reversesequence,_1392-1555,activin_beta-a_subunit_(exon_2)

all_x63759_1241-1752,htnp2_gene_for_transition_protein_2_

Metagene 197

25

ab000114_1818-2208,mrna_for_osteomodulin,_complete_cds_

ab000905_1045-1253,dna_for_h4_histone,_complete_cds

af005043_3474-3990,poly(adp-

ribose)_glycohydrolase_(hparg)_mrna,_complete_cds/gb=af005043_/ntype=rna

30 d42108_4054-4414,mrna_for_phospholipase_complete_cds

d50927_3955-4411,mrna_for_kiaa0137_gene,_complete_cds

all_d87023_19383-19642,_j1_gene_extracted_from(lambda)_dna_for_immunoglobulin_light_chain_

hg3231-ht3408_at_hg3231-ht3408_protease_receptor-1,_effector_cell

l40384mrna_22-487,thyroid_receptor_interactor_(trip13)_mrna,_partial_cds/gb=l40384_/ntype=rna_

35 m60052_2004-2280,histidine-rich_calcium_binding_protein_(hrc)_mrna,_complete_cds_

m60315_2334-2838,transforming_growth_factor-beta_(tgf-beta)_mrna,_complete_cds_

u09368_1908-2298,zinc_finger_protein_znf140

u36621exon_17-536,y-chromosome_rna_recognition_motif_protein_(yrrm)_gene

u47414_1449-1959,cyclin_g2_mrna,_complete_cds

u64198_3571-3955,il-12_receptor_beta2_mrna,_complete_cds_
 y09443_1545-1935,mrna_for_alkyl-dihydroxyacetonephosphate_synthase_precursor_
 all_z17240_956-1014,for_mrna_encoding_hmg2b_

5 Metagene 386

- ab000584_618-1032,mrna_for_tgf-beta_superfamily_protein,_complete_cds
 ab002366_5112-5616,mrna_for_kiaa0368_gene,_partial_cds/gb=ab002366/_ntype=rna
 ab004884_2491-2995,mrna_for_pku-alpha,_partial_cds/gb=ab004884/_ntype=rna
- 10 d10995cds_828-1128:in_reversesequence,_1245-
 1401,gene_for_serotonin_1b_receptor,_complete_cds_
 d28588_2747-3263,mrna_for_kiaa0048_gene,_complete_cds
 d63813_1154-1676,mrna_for_rod_photoreceptor_protein,_complete_cds
 hg2730-ht2828_s_at_hg2730-ht2828_fibrinogen,_a_alpha_polypeptide,_altsplice_3,_e_
 15 j05428_1624-1800,3,4-catechol_estrogen_udp-glucuronosyltransferase_mrna,_complete_cds
 127080cds_538-946:in_reversesequence,_1159-
 1207,melanocortinreceptor_(mc5r)_gene,_complete_cds_
 m34192mma_1406-1826,isovaleryl-coa_dehydrogenase_(ivd)_mrna,_complete_cds_
 m37075_at_m37075_m37075,not_in_gb_record,embryonic/atrial_myosin_light_chain_(mlc-1-
 20 emb/a_isoform)_g
 m58285_3356-3788,membrane-associated_protein_(hem-1)_mrna,_complete_cds
 m93143_461-499,plasminogen-like_protein_(plgl)_mrna,_complete_cds
 m93415_1865-2303,activin_type_ii_receptor_mrna,_complete_cds_
 m97496_25-409,guanylin_mrna,_complete_cds_
 25 u03858_806-1040,flt3_ligand_mrna,_complete_cds_
 u09579_1537-2041,melanoma_differentiation_associated_(mda-6)_mrna,_complete_cds
 u10690exon#3_934-1499,mage-5b_antigen_(mage5b)_gene,_complete_cds
 u11863_1914-1974,clone_hp-
 dao2_diamine_oxidase,_copper/topa_quinone_containing_mrna,_complete_cds
 30 u15197_74-363,histo-blood_group_abo_protein_mrna,_partial_3'_utr_sequence
 u17838_7401-7899,zinc_finger_protein_riz_mrna,_complete_cds
 u55853_1917-2433,130_kd_golgi-localized_phosphoprotein_(gpp130)_mrna,_complete_cds
 all_x83127_1494-1624,mrna_for_voltage_gated_potassium_channels,_beta_subunit_
 x95654cds_2682-2862:in_reversesequence,_3022-3202,mrna_for_scpl_protein_
 35 all_x98253_1221-1334,znf183_gene/gb=x98253/_ntype=rna

Metagene 294

a28102cds_986-1442:in_reversesequence,_1546-1582,gabaa_receptor_alpha-3_subunit.

- m17446mrna_648-1186,kaposi_sarcoma_oncogene_fibroblast_growth_factor_mrna_complete_cds
 m98528utr#1_543-1101,neuron-specific_protein_gene_last_exon_clone_d4s234
 u20816mrna#1_258-795,nuclear_factor_kappa-b2_(nf-
 kb2)_gene_partial_cds/gb=u20816/_ntype=dna/_annot=
 5 all_u31799_528-683:in_u31799cds_1746-1777,melanocyte_protein_pm1gene_
 all_x87870_2045-2289,mrna_for_hepatocyte_nuclear_factor_4a_

Metagene 238

- 10 m15856mrna#1_2984-3488,lipoprotein_lipase_mrna_complete_cds_
 m23575_1395-1933,pregnancy-specific_beta-1_glycoprotein_mrna_complete_cds_
 m60503cds_2942-3212:in_reversesequence,_1915-2047,profilaggrin_gene_partial_cds
 s81294_4-
 160,_dcc=deleted_in_colorectal_cancer_{alternatively_spliced,_exon_1a}_[human_brain_tumor,
 15 all_s85963_4324-4544,_hirs-1=rat_insulin_receptor_substrate-
 1_homolog_[human_cell_line_focus_genom

Metagene 200

- 20 m24351exon_248-404,_pthlh_gene(parathyroid_hormone-
 like_protein_a)_extracted_fromparathyroid_hormon
 m31210_2258-2708,endothelial_differentiation_protein_(edg-1)_gene_mrna_complete_cds_
 m55024_2-331,cell_surface_glycoprotein_p3.58_mrna_partial_cds/gb=m55024/_ntype=rna
 m58459_295-829,ribosomal_protein_(rps4y)_isoform_mrna_complete_cds
 25 m60626mrna_1283-1577,n-formylpeptide_receptor_(fnlp-r98)_mrna_complete_cds
 m60724_1847-2321,p70_ribosomal_s6_kinase_alpha-i_mrna_complete_cds
 s72024cds_13-437,_eif-
 5a=eukaryotic_initiation_factor_5a_{clone_cos_9.1}_[human_placenta_genomic,_
 u13695cds_2418-2754:in_reversesequence,_2858-
 30 2954,homolog_of_yeast_mutl_(hpms1)_gene_complete_cds
 u38896_1411-1921,zinc_finger_protein_c2h2-171_mrna_complete_cds_
 x59434mrna_631-1129,rohu_mrna_for_rhodanese
 all_x71661_2263-2768,ergic-53_mrna_
 all_x96586_2898-3343,mrna_for_fan_protein

35

Metagene 364

l31573_1849-2347,sulfite_oxidase_mrna_complete_cds
 m11973_cds1_at_m11973_m11973,not_in_gb_record,gamma-b-crystallin_gene_(gamma_1-2)_

m29474mrna_5986-6490,recombination_activating_protein_(rag-1)_gene,_complete_cds_
 u08471_492-780,folate_receptormrna,_complete_cds
 u57352_2094-2646,sodium_channel(hbnac1)_mrna,_complete_cds
 u76388_1630-1842,steroidogenic_factormrna,_complete_cds_
 5 all_z22536_1732-2333,alk-4_mrna,_complete_cds_

Metagene 343

- d25217_2864-3410,mrna_for_kiaa0027_gene,_partial_cds_
 10 d45371mrna_4040-4464,apml_mrna_for_gs3109_(novel_adipose_specific_collagen-
 like_factor),_complete_cd
 d85815cds_282-564;in_reversesequence,_753-879,dna_for_rhohp1,_complete_cds
 hg1205-ht1205_at_hg1205-ht1205_collagen_type_iv,_alpha_2,_n-terminus
 hg4157-ht4427_at_hg4157-ht4427_glycinamide_ribonucleotide_synthetase_
 15 hg732-ht732_at_hg732-ht732_serum_amyloid_a1
 j03600_2058-2364,lipoxygenase_mrna,_complete_cds_
 k01911mrna_85-481,neuropeptide_y_(npv)_mrna,_complete_cds
 l05148_1890-2388,protein_tyrosine_kinase_related_mrna_sequence_
 l05779_1535-2069,cytosolic_epoxide_hydrolase_mrna,_complete_cds
 20 l10123_3572-4100,surfactant_protein_a_mrna,_complete_cds
 l19297_602-1034,nuclear-encoded_mitochondrial_carbonic_anhydrase_(ca5)_mrna,_complete_cds
 l29277_2204-2762,dna-binding_protein_(aprf)_mrna,_complete_cds
 l38707mrna_2405-2951,diacylglycerol_kinase_(dagk)_mrna,_complete_cds.
 l41668_887-1433,udp-galactoseepimerase_(gale)_gene,_complete_cds
 25 l48516_473-1013,paraaxonase(pon3)_mrna,_3'_end_of_cds
 m13829_603-1029,putative_raf_related_protein_(pks/a-raf)_mrna,_partial_cds_
 m14565mrna_1262-1712,cholesterol_side-chain_cleavage_enzyme_p450scc_mrna,_complete_cds_
 m20777_434-956,_homo_sapiens,_alpha-2_(vi)_collagen_
 m29696_1063-1597,interleukin-7_receptor_(il-7)_mrna,_complete_cds
 30 m37271cds_361-672;in_reversesequence,_2722-2909,cd7_antigen_gene,_exons_4-jan_
 m54951mrna_438-852,atrial_natriuretic_factor_gene
 all_m59829_2774-3117,mhc_iii_hsp70-hom_gene_(hla),_complete_cds
 m60298_2117-2615,erythrocyte_membrane_protein_band_4.2_(epb42)_mrna,_complete_cds
 m68519mrna_1542-1916,pulmonary_surfactant-associated_protein_sp-
 35 a_(sftp1)_gene,_complete_cds
 m69197mrna#1_611-1184,_hpr_fromhaptoglobin_and_haptoglobin-
 related_protein_(hp_and_hpr)_genes,_compl
 m74091_925-1453,cyclin_mrna
 m80629_1678-2170,cdc2-related_protein_kinase_(ched)_mrna,_complete_cds_

- m89957_675-
 1095,immunoglobulin_superfamily_member_b_cell_receptor_complex_cell_surface_glycoprotein_
 m93405_888-1374,methylmalonate_semialdehyde_dehydrogenase_gene,_complete_cds_
 m93650_1119-1599,paired_box_gene_(pax6)_homologue,_complete_cds
- 5** m99701_627-1137,(pp21)_mrna,_complete_cds_
 s69265_1402-1943,_neuron-specific_rna_recognition_motifs_(rrms)-
 containing_protein_[human,_hippocamp
 s75989_1492-1948,_gamma-
 aminobutyric_acid_transporter_type[human,_fetal_brain,_mrna,_1991_nt]
- 10** s76475_2144-2659,_trkc_[human,_brain,_mrna,_2715_nt]
 u07358_2794-3310,protein_kinase_(zpk)_mrna,_complete_cds_
 u09877_3381-3849,helicase-like_protein_(hlp)_mrna,_complete_cds
 u10991_6267-6789,g2_protein_mrna,_partial_cds
 u16031_2451-2943,transcription_factor_il-4_stat_mrna,_complete_cds_
- 15** u26398_2628-3168,inositol_polyphosphate_4-phosphatase_mrna,_complete_cds_
 u26403_991-1495,receptor_tyrosine_kinase_ligand_lerk-7_precursor_(eplg7)_mrna,_complete_cds
 u30930_1877-2423,udp-galactose_ceramide_galactosyl_transferase_(cgt)_mrna,_complete_cds
 u43431_3166-3712,dna_topoisomerase_iii_mrna,_complete_cds
 u52840_7503-7755,cri-du-chat_region_mrna_clone_csa1_
- 20** u64998cds_61-
 361,ribonuclease_k6_precursor_gene,_complete_cds/gb=u64998_/ntype=dna_/annot=cds
 u82535_1485-2019,fatty_acid_amide_hydrolase_mrna,_complete_cds.
 all_v00565_2218-
 2422,gene_for_preproinsulin,_from_chromosomeincludes_a_highly_polymorphic_region_ups
- 25** x04445mrna_521-1075,inha_gene_exon(and_joined_cds)_
 x06985mrna_943-1393,mrna_for_heme_oxygenase
 x07732mrna#2_991-1543,hepatoma_mrna_for_serine_protease_hepsin_
 all_x52773_1343-1866,mrna_for_retinoic_acid_receptor-like_protein
 x60188mrna_1360-1741,erk1_mrna_for_protein_serine/threonine_kinase_
- 30** x60957cds_3066-3378:in_reversesequence,_3432-
 3678,tie_mrna_for_putative_receptor_tyrosine_kinase_
 x86779cds_1174-1606:in_reversesequence,_1741,mrna_for_fast_kinase_
 x99961cds_55-409,mrna_for_novel_protein/gb=x99961_/ntype=rna_
 z26317cds_2904-3324:in_reversesequence,_3443-3491,mrna_for_desmoglein_2_
- 35** Metagene 174
 d89289_1431-1947,mrna_for_n-acetyl-beta-d-glucosaminide,_complete_cds

l05188cds_2-194;in_reversesequence,_281-342,small_proline-
rich_protein(spr2b)_gene,_complete_cds_
m74509_7730-8246,endogenous_retrovirus_type_c_oncovirus_sequence.
s70004_2347-2779,_glycogen_synthase_[human,liver,_mrna,_2912_nt]
5 u65416mrna_1983-2316,mhc_i_molecule_(micb)_gene,_complete_cds_
u79285_892-1402,clone_23828_mrna_sequence

Metagene 171

10 hg1111-ht1111_at_hg1111-ht1111_ras-like_protein_tc21_
k02100mrna_983-1421,ornithine_transcarbamylase_(otc)_mrna,_complete_coding_sequence
u08015mrna_2388-2700,nf-atc_mrna,_complete_cds_
u09413_1957-2389,zinc_finger_protein_znf135_mrna,_complete_cds_
u70862_1029-1248,nuclear_factor_i_b3_mrna,_complete_cds
15 all_x01059_941-
1512,placenta_mrna_for_luteinizing_hormone_releasing_hormone_precursor_(lhrh)_
all_x66436_1427-1980,hsr1_mrna_(partial)_
x80507cds_1020-1314;in_reversesequence,_1624-1828,yap65_mrna_
all_x99141_1411-1715,mrna_for_hair_keratin,_hbb3_

20

Metagene 51

d13988_897-1353,rab_gdi_mrna,_complete_cds_
d31763_5458-5968,mrna_for_kiaa0065_gene,_partial_cds_
25 hg1747-ht1764_s_at_hg1747-ht1764_proto-oncogene_met_altsplice_form_2
hg4074-ht4344_at_hg4074-ht4344_rad2
j05614mrna_4-
41,proliferating_cell_nuclear_antigen_(pcna)_gene,_promoter_region/gb=j05614_/ntype=dna
l23959_971-1415,e2f-related_transcription_factor_(dp-1)_mrna,_complete_cds
30 l40386mrna_657-1122,dp-2_mrna,_complete_cds
l40403mrna_1725-2277,(clone_zap3)_mrna,_3'_end_of_cds_
m28209_158-680,gtp-binding_protein_(rab1)_mrna,_complete_cds
m37104_13-421,mitochondrial_atpase_coupling_factorsubunit_(atp5a)_mrna,_complete_cds
m37583mrna_368-824,histone_(h2a.z)_mrna,_complete_cds
35 m58525_603-933,catechol-o-methyltransferase_(comt)_mrna,_complete_cds_
m81118exon#2_669-1149,alcohol_dehydrogenase_chi_polypeptide_(adh5)_gene
m83738_3328-3883,protein-tyrosine_phosphatase_(ptpase_meg2)_mrna,_complete_cds_
m86737_2236-2776,high_mobility_group_box_(ssrp1)_mrna,_complete_cds_
m92439_4255-4633,leucine-rich_protein_mrna,_complete_cds_

- m94630_832-1027,hnmp-c_like_protein_mrna,_complete_cds_
s83364_19-325,_putative_rab5-interacting_protein_{clone_11-
57}_[human,_hela_cells,_mrna_partial,_366
s85655_435-969,_prohibitin_[human,_mrna,_1043_nt]_
- 5 u25182_350-860,antioxidant_enzyme_aoe37-2_mrna,_complete_cds_
u41387_2693-3263,gu_protein_mrna,_partial_cds
u56833_940-1468,vhl_binding_protein-1_(vbp-1)_mrna,_partial_cds
u57627_4598-5078,fetal_brain_oculocerebrorenal_syndrome_(ocr11)_mrna,_complete_cds_
u65410_961-1459,mad2_(hsmad2)_mrna,_complete_cds_
- 10 u83843_725-1145,hiv-1_nef_interacting_protein_(nip7-1)_mrna,_partial_cds/gb=u83843_/ntype=ma
all_x92396_1999-2480,mrna_for_novel_gene_in_xq28_region
x94754cds_2213-2645:in_reversesequence,_2712-2730,mrna_for_yeast_methionyl-
trna_synthetase_homologue
all_x99585_193-608,mrna_for_smt3b_protein
- 15
Metagene 19
- hg721-ht4827_s_at_hg721-ht4827_placental_protein_14,_endometrial_alphaglobulin,_altsplice_2_
l19593mrna_2261-2747:in_reversesequence,_2765-
20 2771,interleukinreceptor_beta_(il8rb)_mrna,_complete_c
s34389_1166-1586,_heme_oxygenase-2_[human,_kidney,_mrna,_1627_nt]_
u19523_2299-2851,gtp_cyclohydrolase_i_mrna,_complete_cds_
all_x05232_1530-1771,mrna_for_stromelysin
x12662mrna_936-1398,arginase_gene_exonand_flanking_regions_(ec_3.5.3.1)_(and_joined_cds)_
25 all_x57809_309-
474,rearranged_immunoglobulin_lambda_light_chain_mrna,rearranged_immunoglobulin_lambd
x72308_419-842,mcp-3_mrna_for_monocyte_chemotactic_protein-3_
y00081cds_293-588:in_reversesequence,_5486-5706,(bsf-
2/il6)_gene_for_b_cell_stimulatory_factor-2
30 y11306mrna_1993-2395,_htcf-4_gene_extracted_frommrna_for_beta_catenin/tcf-4_

Metagene 370

l20971_3698-3992,phosphodiesterase_mrna,_complete_cds
35 u03272_9619-10081,fibrillin-2_mrna,_complete_cds_
u07802exon#2_2748-3228,tis11d_gene,_complete_cds_
all_x78565_6971-7512,mrna_for_tenascin-c,_7560bp_

Metagene 312

- d31716_4264-4831,mrna_for_gc_box_bindig_protein,_complete_cds
 114430_at_114430_114430,not_in_gb_record,udp-
 glucose_pyrophosphorylase_mrna,_complete_cds_and_flanki
- 5 u26591_1640-
 2108,clone_is10_diabetes_mellitus_type_i_autoantigen_(icap69)_mrna,_complete_cds_
 u33837_13803-14343,glycoprotein_receptor_gp330_precursor,_mrna,_complete_cds_
 u33880mrna_189-
 240,betaintegrin_isoform_d_(itgb1)_gene,_partial_cds/gb=u33880_/ntype=dna_/annot=exon
- 10 u62434_1665-
 1787,nicotinic_acetylcholine_receptor_alpha5_subunit_precursor,_mrna,_complete_cds_
 all_x56199_1025-1614,xist_coding_sequence_a_mrna_(locus_dxs399e)
 x60382mrna_2717-3149,coll10a1_gene_for_collagen_(alpha-1_type_x)_
 z48520exon#5_1-98:in_reversesequence,_154-163,xg_mrna_(clone_race6)/gb=z48520_/ntype=ma
- 15 Metagene 114
- hg3928-ht4198_s_at_hg3928-ht4198_surfacant_protein_sp-a1_delta_
 l05597cds_729-1071:in_reversesequence,_1307-1499,serotonin_receptor_gene,_complete_cds
- 20 u76189_49-355,extl3_mrna,_partial_cds/gb=u76189_/ntype=ma_
 Metagene 110
- d13705_1151-1722,mrna_for_fatty_acids_omega-hydroxylase_(cytochrome_p-
 450hkv),_complete_cds
- 25 d16105_2703-2979,mrna_for_leukocyte_tyrosine_kinase,_complete_cds
 d83017_2365-2810,mrna_for_nel-related_protein,_complete_cds
 hg2255-ht2344_f_at_hg2255-ht2344_phosphoribosyl_pyrophosphate_synthetase,_subunit_iii
 hg2797-ht2906_s_at_hg2797-ht2906_clathrin_light_polypeptide_altsplice_2
- 30 k03192_566-964,cytochrome_p-450_mrna,_partial
 m13058exon#3_1-372,acidic_proline-rich_protein_(prh2)_gene,_complete_cds_
 m13149_1540-2008,histidine-rich_glycoprotein_mrna,_complete_cds
 all_m29335_62-94,mhc_ii_do-alpha_mrna,_partial_cds,mhc_ii_do-alpha_mrna,_partial_cds
 all_m32879_690-1129,steroid_11-beta-hydroxylase_(cyp11b1)_gene,steroid_11-beta-
- 35 hydroxylase_(cyp11b1)
 m33772mrna_69-631,fast_skeletal_muscle_troponin_c_gene_
 m55513mrna_2274-2767,potassium_channel_(hpcn1)_mrna,_complete_cds
 m62303_726-872,retinoic_acid_receptor-beta_associated_open_reading_frame,_complete_sequence
 m64269cds_389-718:in_reversesequence,_7859-7876,mast_cell_chymase_gene,_complete_cds

- m74587mrna_953-1425,insulin-
like_growth_factor_binding_protein_(higfbp1)_gene,_complete_cds_
m83652_932-1457,complement_component_properdin_mrna,_complete_cds_
s77576_3-
- 5 60,_erv9_reverse_transcriptase_homolog_{clone_rt18}_{human,_multiple_sclerosis,_brain_plaqu
u05012_2204-2720,receptor_tyrosine_kinase_trkc_(ntrk3)_mrna,_complete_cds
u11862_1844-2402,clone_hp-dao1_diamine_oxidase,_copper/topa_quinone-
containing_mrna,_complete_cds
u12140_3433-3673,tyrosine_kinase_receptor_p145trk-b_(trk-b)_mrna,_complete_cds_
- 10 u23850_8177-8697,inositol_1,4,5_trisphosphate_receptor_typemrna,_partial_cds
u24488_2519-3042,tenascin-x_(xa)_mrna,_complete_cds
u25771_1383-1821,adp-ribosylation_factor_mrna,_complete_cds
u52373_1810-2355,serine/threonine_kinase_mnb_(mnb)_mrna,_complete_cds
u57623exon#1-4_51-
- 15 240:in_reversesequence,_6798,fatty_acid_binding_protein_fabp_gene,_complete_cds_
u80034_1785-
2283,mitochondrial_intermediate_peptidase_precursor_(mipep)_mrna,_mitochondrial_gene_enc
u81599_751-1273,homeodomain_protein_hoxb13_mrna,_complete_cds
u86214_1736-2000,fas-associated_death_domain_protein_interleukin-1b-
converting_enzymemrna,_complete_
- 20 u88898_561-757,endogenous_retroviral_h_protease/integrase-
derived_orf1_mrna,_complete_cds,_and_putat
all_x07618_880-1388,mrna_for_cytochrome_p450_db1_variant_a_
all_x07730_1535-1680,mrna_for_prostate_specific_antigen
- 25 all_x14253_1410-2003,mrna_for_cripto_protein_
all_x66867_1864-2066:in_x66867cds#2_310,_max_gene_extracted_frommax_gene_
x94628mrna_952-1510,mecp-2_gene_
x99688_3790-4270,mrna_from_tyl_gene
all_y08613_599-1164,alternative_3'_utr_of_nup88_mrna/gb=y08613_/ntype=rna
- 30 z35227cds_385-547:in_reversesequence,_1162-1318,ttf_mrna_for_small_g_protein

Metagene 98

- ab002559_1302-1746,mrna_for_hunc18b2,_complete_cds_
35 af006087_237-777,arp2/3_protein_complex_subunit_p20-
arc_(arc20)_mrna,_complete_cds/gb=af006087_/ntyp
d10511cds_860-1256:in_reversesequence,_165-243,gene_for_mitochondrial_acetoacetyl-
coa_thiolase
d26308_241-691,mrna_for_nadph-flavin_reductase,_complete_cds_

- d26598_187-571,mrna_for_proteasome_subunit_hsc10-ii,_complete_cds
d31764_1478-1982,mrna_for_kiaa0064_gene,_complete_cds
d38047_327-825,mrna_for_26s_proteasome_subunit_p31,_complete_cds_
d38751_1539-1868:not_in_gb_record,mrna_for_kid_(kinesin-
5 like_dna_binding_protein),_complete_cds_
d43947_6379-6901,mrna_for_kiaa0100_gene,_complete_cds
d50645_502-1006,mrna_for_sdf2,_complete_cds
d85433_109-439,murr1_mrna,_sequence/gb=d85433_/ntype=rna_
hg3638-ht3849_s_at_hg3638-ht3849_amyloid_beta_(a4)_precursor_protein,_altsplice_2,_a4(751)_
10 j04444cds_596-944:in_reversesequence,_3590-3740,cytochrome_c-1_gene,_complete_cds_
l20320cds_605-
953:in_reversesequence,_1218,protein_serine/threonine_kinase_stk1_mrna,_complete_cds
l37042mrna_960-1314,casein_kinase_i_alpha_isoform_(csnk1a1)_mrna,_complete_cds
l40410mrna_296-803,thyroid_receptor_interactor_(trip3)_mrna,_3'_end_of_cds
15 l41559mrna_61-475,pterin-4a-carbinolamine_dehydratase_(pcbd)_mrna,_complete_cds_
m15661mrna_3-338,ribosomal_protein_mrna,_complete_cds
m19483cds_1127-1559:in_reversesequence,_2162-2204,atp_synthase_beta_subunit_gene
m29971_282-750,6-o-methylguanine-dna_methyltransferase_(mgmt)_mrna,_complete_cds_
m55153_2794-3232,transglutaminase_(tgase)_mrna,_complete_cds_
20 u34343_110-560,13kd_differentiation-associated_protein_mrna,_partial_cds/gb=u34343_/ntype=rna
u43923_888-1410,transcription_factor_supt4h_mrna,_complete_cds_
u65093_466-838,msg1-related_gene(mrg1)_mrna,_complete_cds_
u79262_878-1007,deoxyhypusine_synthase_mrna,_complete_cds
u79718_532-1012,endonuclease_iii_homolog(octs3)_mrna,_complete_cds
25 all_x90857_2739-3184,mrna_for_-14_gene,_containing_globin_regulatory_element_
x94910_333-861:not_in_gb_record,mrna_for_erp31_protein
y08766cds_1803-1893:in_reversesequence,_2190-2239,mrna_for_splicing_factor,_sfl-bo_isoform
y12478_210-750,mrna_for_chd5_protein_
30 Metagene 464
d16593_290-812,bdr-2_mrna_for_hippocalcin,_complete_cds
d88460_1233-1695,mrna_for_n-wasp,_complete_cds_
d89016_1618-2116,mrna_for_neuroblastoma,_complete_cds
35 hg2280-ht2376_at_hg2280-ht2376_d-amino-acid_oxidase
hg908-ht908_at_hg908-ht908_mg61_protein
l00635_1029-1437,farnesyl-protein_transferase_beta-subunit_mrna,_complete_cds
l34355_827-961,(clone_p4)_50_kd_dystrophin-associated_glycoprotein_mrna,_complete_cds_
l36818_4098-4608,(clone_51c-3)_51c_protein_mrna,_complete_cds

- l44140exon#61-62_44-
 221: not_in_gb_record_dnl11_gene_extracted_from_chromosome_x_region_from_filamin_
 m38258_2000-2486, retinoic_acid_receptor_gamma_mrna_complete_cds_
 m77348mrna_1757-1786, pmelmrna_complete_cds_
5 m92432_3098-3566, retinal_guanylyl_cyclase_(retgc)_mrna_complete_cds
 m96759mrna_783-1299, rod_outer_segment_membrane_protein(rom1)_gene_exons_1-
 3_complete_cds
 all_s58733_264-
 357, pp52=b_lymphocyte_signal_transduction_gene_{group_3_inverted_repeat}[human, tu
10 u07418_2004-2454, dna_mismatch_repair_(hmlh1)_mrna_complete_cds
 u37529_556-1030, substance_p_beta-ppt-a_mrna_complete_cds
 u43177exon#1_62-464, urocortin_gene_complete_cds_
 u49928_2513-3035, tak1_binding_protein(tab1)_mrna_complete_cds
 u62966_2137-2635, na⁺/nucleoside_cotransporter_(hcnt1a)_mrna_complete_cds
15 u68536_1918-2410, zinc_finger_protein_mrna_complete_cds
 u71087_1092-1126, map_kinase_kinase_mek5b_mrna_complete_cds
 u92314_840-1415, hydroxysteroid_sulfotransferase_sult2b1a_(hsst2)_mrna_complete_cds.
 all_x06256_3681-4180, mrna_for_fibronectin_receptor_alpha_subunit_
 all_x13589_2395-2936, mrna_for_aromatase_(estrogen_synthetase)
20 all_x54871_1059-1612, mrna_for_ras-related_protein_rab5b
 all_x86681_1848-2257, mrna_for_nucleolar_protein_hnp36_
 all_x94453_2396-2907, mrna_for_pyrroline_5-carboxylate_synthetase_

 Metagene 360
25
 d28137_395-743, mrna_for_bst-2_complete_cds
 j04164_366-804, interferon-inducible_protein_27-sep_mrna_complete_cds
 l22342_672-810, nuclear_phosphoprotein_mrna_complete_cds_
 m13755mrna_33-591, interferon-induced_17-kda/15-kda_protein_mrna_complete_cds
30 m31724mrna_2694-3168, phosphotyrosyl-protein_phosphatase_(ptp-1b)_mrna_complete_cds
 m62505_1952-2240, c5a_anaphylatoxin_receptor_mrna_complete_cds_
 u12255_905-1391, igg_fc_receptor_hfern_mrna_complete_cds_
 u50648mrna_2211-2751, interferon-inducible_rna-dependent_protein_kinase_(pkr)_gene
 u72882_448-1009, interferon-induced_leucine_zipper_protein_(ifp35)_mrna_partial_cds
35 u95006_114-654, d9_splice_variant_a_mrna_complete_cds
 x00371mrna_495-1011, myoglobin_gene_(exon_1)_and_joined_cds)
 all_x02874_1063-1298, mrna_for_(2'-5')_oligo_a_synthetase_e_(1,6_kb_ma)
 all_x02875_158-628, mrna_(3'-fragment)_for_(2'-5')_oligo_a_synthetase_e_(1,8_kb_ma)_

all_x57351_294-891,1-8d_gene_from_interferon-inducible_gene_family,1-
 8d_gene_from_interferon-inducib
 x79882cds_2116-2656:in_reversesequence,_2773,lrp_mrna_
 x85116_rnal_s_at_x85116_x85116,not_in_gb_record,epb72_gene_exon_1_

5

Metagene 335

k02882cds_660-1098,_ighd_gene_(immunoglobulin_delta-
 chain)_extracted_fromgermline_igd_chain_gene,_c-
 10 m61199_1227-1689,cleavage_signalprotein_mrna,_complete_cds

Metagene 328

- d25274_727-1177,randomly_sequenced_mrna
- 15 d49396_948-1446,mrna_for_apo1(mer5(aop1-mouse)-like_protein),_complete_cds
 104731_13654-14152,translocation_t(4:11)_of_all-1_gene_to_chromosome_4
 125081_595-1015,gtpase_(rhoc)_mrna,_complete_cds_
 m22538_286-778,nuclear-encoded_mitochondrial_nadh-
 ubiquinone_reductase_24kd_subunit_mrna,_complete_c
- 20 m31951exon#2_671-1061:in_reversesequence,_6169,perforin_(prf1)_gene,_complete_cds_
 m63138mrna_1545-2007,cathepsin_d_(catd)_gene_
 s65738_1061-1373,_actin_depolymerizing_factor_[human,_fetal_brain,_mrna,_1452_nt]_
 u09848_2904-3474,zinc_finger_protein_(znf139)_mrna,_partial_cds
 u43901mrna#1_429-
- 25 557,37_kd_laminin_receptor_precursor/p40_ribosome_associated_protein_gene,_complete
 u83908cds_941-1295:in_reversesequence,_1589-1649,nuclear_antigen_h731_mrna,_complete_cds
 u90878_693-1179,lim_domain_protein_clp-36_mrna,_complete_cds.
 u90902_939-1407,clone_23612_mrna_sequence
 u94855_696-1176,translation_initiation_factor47_kda_subunit_mrna,_complete_cds
- 30 all_x16416_4998-5497,c-abl_mrna_encoding_p150_protein
 all_x51466_2702-3057,mrna_for_elongation_factor_2
 x70218_771-1203,_hsapiens_mrna_for_protein_phosphatase_x
 all_x74929_1365-1706,krt8_mrna_for_keratin_8_
 all_x76228_677-1242,mrna_for_vacuolar_h+_atpase_e_subunit
- 35 x78136cds_688-1060:in_reversesequence,_1130-1244,hnrnp-e2_mrna
 x82207cds_876-1098:in_reversesequence,_1166-1412,mrna_for_beta-centractin_(pc3)
 y08999cds_583-1045:in_reversesequence,_1132,mrna_for_sop2p-like_protein_
 all_z14000_958-1463,ring1_gene_
 all_z49835_1354-1805,mrna_for_protein_disulfide_isomerase

Metagene 213

- hg4321-ht4591_at_hg4321-ht4591_ahnak-related_sequence
- 5 j04449_2290-2776,(clone_nf_10)_cytochrome_p-450_nifedipine_oxidase_mrna,_complete_cds_
j05459mrna_695-1187,glutathione_transferase_m3_(gstm3)_mrna,_complete_cds
117325_73-451,pre-t/nk_cell_associated_protein_(1d12a2)_mrna,_complete_cds_
132164_630-1158,zinc_finger_protein_mrna,_3'_end
m16714exon#8_627-747,mhc_i_divergent_lymphocyte_antigen_gene,_complete_cds,_clone_rs5
- 10 all_m37457_334-371,na+,k+_#name?_catalytic_subunit_alpha-
iii_isoform_gene,na+,k+_#name?_catalytic_su
all_m86808_2578-2977,pyruvate_dehydrogenase_complex_(pdha2)_gene,_complete_cds_
all_x58723_1862-2049,mdr1_(multidrug_resistance)_gene_for_p-glycoprotein_
x92368mrna_5695-6187,ncx1_gene_(exon_1)/gb=x92368_/ntype=dna_/annot=mrna_
- 15

Metagene 92

- d14826_834-1163,mrna_for_hcrem_(cyclic_amp-
responsive_element_modulator)_typeprotein,_complete_cds
- 20 hg2591-ht2687_s_at_hg2591-ht2687_transcription_factor_itf-1
u13696cds_2138-2563:in_reversesequence,_2600-
2669,homolog_of_yeast_mutl_(hpms2)_gene,_complete_cds
u60269cds#3_237-447:in_reversesequence,_1593-1737,endogenous_retrovirus_herv-
k(hml6)_proviral_clone_
25 x84740mrna_2847-3309,mrna_for_dna_ligase_iii_
y10275cds_363-633:in_reversesequence,_880-1060,mrna_for_l-3-phosphoserine_phosphatase_

Metagene 64

- 30 hg2702-ht2798_r_at_hg2702-ht2798_serine/threonine_kinase_
s79781mrna_31-
169,_wt1_{antisense_promoter,_intron_1}[human,_kidney,_genomic,_780_nt]/gb=s79781_/nt
x54162mrna_3362-3818,mrna_for_a_64_kd_autoantigen_expressed_in_thyroid_and_extra-
ocular_muscle_
35 x61118mrna_1457-1955,_ttg-2a_gene_extracted_fromttg-
2_mrna_for_a_cysteine_rich_protein_with_lim_moti
y13896_4-179,skeletal_muscle_alternate_5'_end_of_gene_kir4.2_5'_utr/gb=y13896_/ntype=rna

Metagene 45

- d38163_3117-3661,mrna_for_al(xix)_collagen_chain,_complete_cds_
 all_x03066_787-1268,mrna_for_hla-d_ii_antigen_do_beta_chain
 x14766mrna_1363-1711,mrna_for_gaba-a_receptor,_alphasubunit_
 5 x76104cds_4113-4257:in_reversesequence,_4629-4827,dap-kinase_mrna_
 z34974cds_1816-2144:in_reversesequence,_2439-2515,mrna_for_plakophilin_(partial)

Metagene 447

- 10 af006084_935-1277,arp2/3_protein_complex_subunit_p41-
 arc_(arc41)_mrna,_complete_cds/gb=af006084_/nty
 d00017_851-1319,lipocortin_ii_mrna_
 d26129_1145-1577,mrna_for_ribonuclease_a_(rnase_a),_complete_cds_
 d42043_2329-2863,mrna_for_kiaa0084_gene,_partial_cds_
 15 d87292_572-1052,mrna_for_rhodanese,_complete_cds_
 d88152_2081-2639,mrna_for_acetyl-coenzyme_a_transporter,_complete_cds
 j04456_31-469,_humankd_lectin_mrna,_complete_cds
 113720_1860-2436,growth-arrest-specific_protein_(gas)_mrna,_complete_cds
 125080_1212-1692,gtp-binding_protein_(rhoa)_mrna,_complete_cds_
 20 133075_6978-7530,ras_gtpase-activating-like_protein_(iqgap1)_mrna,_complete_cds_
 140379mrna_181-541,thyroid_receptor_interactor_(trip10)_mrna,_3'_end_of_cds_
 141147mrna_1383-1959,5-ht6_serotonin_receptor_mrna,_complete_cds
 m13450_636-1020,esterase_d_mrna,_3'_end
 all_m14338_2740-3281,mrna_for_protein_s_and_intron_
 25 all_m14949_1905-2423,r-ras_gene
 m23294mrna#1_1219-1651,beta-hexosaminidase_beta-subunit_(hexb)_gene
 m26576exon_43-289:not_in_gb_record,col4a1_gene_(alpha-
 1_type_iv_collagen)_extracted_fromalpha-1_col
 m27492_4336-4864,interleukinreceptor_mrna,_complete_cds_
 30 m28713exon_536-1052,nadh-cytochrome_b5_reductase_(b5r)_gene_
 m33680_879-1431,26-kda_cell_surface_protein_tapa-1_mrna,_complete_cds
 m36341_912-1458,adp-ribosylation_factor(arf4)_mrna,_complete_cds
 m63256_1975-2497,major_yo_paraneoplastic_antigen_(cdr2)_mrna,_3'_end_
 m64571mrna_4553-4931,microtubule-associated_proteinmrna,_complete_cds_
 35 m76378mrna_1294-1768,cysteine-rich_protein_(crp)_gene
 m82809_1465-1915,annexin_iv_(anx4)_mrna,_complete_cds
 m83751_539-1013,arginine-rich_protein_(arp)_gene,_complete_cds_
 u01691mrna_1257-1743,annexin_v_(anx5)_gene,_5'_-untranslated_region
 u02570_2792-3290,cdc42_gtpase-activating_protein_mrna,_partial_cds_

- u44378_2091-
2655,homozygous_deletion_target_in_pancreatic_carcinoma_(dpc4)_mrna,_complete_cds
u46006_140-620,smooth_muscle_lim_protein_(h-
smlim)_mrna,_complete_cds/gb=u46006_/ntype=rna_
- 5 u46499_at_u46499_u46499,not_in_gb_record,microsomal_glutathione_transferase_(gst12)_gene,_5'
_sequenc
u93205_588-1020,nuclear_chloride_ion_channel_protein_(ncc27)_mrna,_complete_cds
x04412cds_2047-2305:in_reversesequence,_2421-2529,mrna_for_plasma_gelsolin
all_x05610_1701-2098,mrna_for_type_iv_collagen_alpha_-2_chain
- 10 all_x07979_3223-3596,mrna_for_fibronectin_receptor_beta_subunit
all_x54304_391-878,mrna_for_myosin_regulatory_light_chain
y00433cds_233-581:in_reversesequence,_905-
1109,mrna_for_glutathione_peroxidase_(ec_1.11.1.9.)_
- 15 Metagene 70

u02687_2874-3312,growth_factor_receptor_tyrosine_kinase_(stk-1)_mrna,_complete_cds_
u79271_596-1130,clones_23920_and_23921_mrna_sequence_
- 20 Metagene 191

hg3415-ht3598_at_hg3415-ht3598_poliovirus_receptor_
j00124exon#8_14-227:not_in_gb_record,50_kda_type_i_epidermal_keratin_gene,_complete_cds
all_100205_358-503,k6b_(epidermal_keratin,_type_ii)_gene_
- 25 l35594mrna_3002-3178,autotaxin_mrna,_complete_cds
l42611_1374-1954,keratinisoform_k6e_(krt6e)_mrna,_complete_cds_
m14676_1864-2332,src-like_kinase_(slk)_mrna,_complete_cds
m95585mrna_3253-3805,hepatic_leukemia_factor_(hlf)_mrna,_complete_cds
u41518_1761-2253,channel-like_integral_membrane_protein_(aqp-1)_mrna,_clone_aqp-1-
2344,_partial_cds
- 30 u77180_55-511,macrophage_inflammatory_proteinbeta_(mip-3beta)_mrna,_complete_cds
all_x06182_4474-5069,c-kit_proto-oncogene_mrna_
x61123mrna_1212-1608,btg1_mrna_
- 35 Metagene 27

ac002073cds#1_507-759:in_reversesequence,_23812-
24010,_wugsc:dj515n1.2_gene_extracted_frompac_clone_
hg3345-ht3522_at_hg3345-ht3522_pou_domain-containing_protein_

- l37036exon#2_29-92:in_reversesequence, 1754-1971,neutrophil-activating_peptide_78_(ena-78)_gene,_com
- m15169mrna#1_1704-1950:in_reversesequence, 3390-3408,beta-2-adrenergic_receptor_mrna,_complete_cds
- 5** m25756_1777-2287,secretogranin_ii_gene,_complete_cds_
m28983_1823-2369,interleukinalpha_(il_1)_mrna,_complete_cds
m33317mrna_1158-1693,cytochrome_p450iia4_(cyp2a4)_mrna,_complete_cds_
m62486exon_17-359:not_in_gb_record,c4b-binding_protein_gene_
u66580cds_510-1026:in_reversesequence, 1075-1081,putative_g_protein-
- 10** coupled_receptor_(gpr21)_gene,_c
u79242_1043-1589,clone_23560_mrna_sequence_
all_x02404_227-
750,mrna_fragment_for_second_calcitonin_gene_related_peptide_(cgrp)_from_medullary_th
x55005mrna_2002-2230,c-erba-1_mrna_for_thyroid_hormone_receptor_alpha
- 15** x77533cds_982-1390:in_reversesequence, 1532-1544,mrna_for_activin_type_ii_receptor
all_z11933_1730-1942,mrna_for_n-oct_3,_n-oct5a,_and_n-oct_5b_proteins
- Metagene 444
- 20** af014958_1175-1619,chemokine_receptor_x_(ckrx)_mrna,_complete_cds/gb=af014958/_ntype=rna
d16688_876-1448,ltg9/mlt3_mrna,_c-terminal
d29956_3758-4328,mrna_for_kiaa0055_gene,_complete_cds
d31888_4700-5186,mrna_for_kiaa0071_gene,_partial_cds_
d38037_292-826,mrna_for_fk506-binding_protein_12kda_(hfkbp-12)_homologue,_complete_cds_
- 25** d63135mrna_31-499,mrna_for_ets-like_30_kda_protein/gb=d63135/_ntype=rna
d79987_6109-6523,mrna_for_kiaa0165_gene,_complete_cds
d86957_3869-4265,mrna_for_kiaa0202_gene,_partial_cds_
d88213_2085-2481,mrna_for_retina-specific_amine_oxidase,_complete_cds
hg2383-ht4824_s_at_hg2383-ht4824_cystathionine_beta_synthase,_altsplice_3
- 30** hg25930-ht26386_at_hg25930-ht26386_estradiol_17-beta_dehydrogenase
hg2841-ht2968_s_at_hg2841-ht2968_albumin,_altsplice_1
hg2987-ht3136_s_at_hg2987-ht3136_vasoactive_intestinal_peptide_
hg3264-ht3441_at_hg3264-ht3441_af-6
hg4027-ht4297_f_at_hg4027-ht4297_beta-1-glycoprotein,_domains_n_and_iaa,_pregnancy-specific
- 35** hg4390-ht4660_at_hg4390-ht4660_ribosomal_protein_118a_homolog
l06133_7979-8435,putative_cu++-transporting_p-type_atpase_mrna,_complete_cds_
all_l08904_1372-1667,h2k_binding_factor(kbf2)_mrna,_complete_cds_
l12468_3246-3780,aminopeptidase_a_mrna,_complete_cds
l14812_3349-3936,retinoblastoma_related_protein_(p107)_mrna,_complete_cds

- 120826_3074-3572,i-plastin_mrna,_complete_cds
 122569_1685-2243,cathepsin_b_mrna,_3' utr_with_a_stem-
 loop_structure_providing_mrna_stability_
 139060mrna_1037-1547,transcription_factor_sl1_mrna,_complete_cds
- 5** m11025mrna_783-1263,asialoglycoprotein_receptor_h2_mrna,_complete_cds
 m17252mrna_934-1198,cytochrome_p450c21_mrna,_3' end
 all_m24364_1059-
 1435,mhc_ii_lymphocyte_antigen_dqb_mrna,_complete_cds,_haplotype_dr7,_dqw9_
 m29581_1469-1853,zinc-finger_protein(zfp8)_mrna,_3' end
- 10** m57464_3899-4439,ret_proto-oncogene_mrna,_complete_cds_
 m63962mrna_2985-3507,gastric_h,k-atpase_catalytic_subunit_gene,_complete_cds
 m74525_2002-2536,hhr6b_(yeast_radhomologue)_mrna,_complete_cds
 m87860cds_25-331:in_reversesequence,_176-212,s-lac_lectin_1-14-ii_(lgals2)_gene_
 m89955cds_635-1085:in_reversesequence,_1391-1439,5-ht1d-
 type_serotonin_receptor_gene,_complete_cds
- 15** s48983cds_36-282:in_reversesequence,_204-
 408,_saa4=serum_amyloid_a_[human,_genomic,_858_ntsegments]
 s59184_2487-2979,_ryk=related_to_receptor_tyrosine_kinase_[human,_hepatoma,_mrna,_3068_nt]
 s61953_516-798,_c-
- 20** erbb3=receptor_tyrosine_kinase_{alternatively_spliced}_[human,_gastric_cancer_cell
 u16811_1491-2034,bak_mrna,_complete_cds
 all_u18914_2694-3199,19.8_kda_protein_mrna,_complete_cds_
 u28758_45-626,nmda_receptor_subtype_2b_subunit_(grin2b)_mrna,_partial_cds
 u40215_1479-2049,synapsin_iib_mrna,_complete_cds_
- 25** u40763_2251-2803,clk-associated_rs_cyclophilin_cars-cyp_mrna,_complete_cds_
 u43286_1633-2155,selenophosphate_synthetase(sps2)_mrna,_complete_cds
 u44848_7-187,nuclear_respiratory_factor(nrfl)_mrna,_3' utr/gb=u44848_/ntype=rna_
 u48807_1652-2156,map_kinase_phosphatase_(mkp-2)_mrna,_complete_cds_
 u49974cds_444-
- 30** 1017,mariner2_transposable_element,_complete_consensus_sequence/gb=u49974_/ntype=dna_
 u52518_399-825,grb2-related_adaptor_protein_(grap)_mrna,_complete_cds
 u71092cds_954-1158:in_reversesequence,_1611-1767,somatostatin_receptor-
 like_protein_(slc1)_gene,_com
 u79257_952-1432,clone_23932_mrna_sequence
- 35** u88666_3113-3653,serine_kinase_srpk2_mrna,_complete_cds
 all_u90552_3170-
 3242,butyrophilin_(btf5)_mrna,_complete_cds,butyrophilin_(btf5)_mrna,_complete_cds
 u90912_1074-1584,clone_23865_mrna_sequence_
 u94332_761-1331,osteoprotegerin_(opg)_mrna,_complete_cds.

- all_x06268_1159-1337,mrna_for_pro-alpha(ii)_collagen_3'_end_c-termtriple_helical_and_c-terminal_non-
- all_x13956_694-1163,12s_rna_induced_by_poly(ri),_poly(rc)_and_newcastle_disease_virus
- x15954mrna_729-1240,mbp1_gene_exon(and_joined_cds)
- 5** x16707cds_379-733:in_reversesequence,_869-923,fra-1_mrna
- x17360mrna_4536-5034,hox_5.1_gene_for_hox_5.1_protein_
- all_x63575_3903-4466,mrna_for_plasma_membrane_calcium_atpase_
- all_x64838_5256-5833,mrna_for_restin_
- x66171cds_341-623:in_reversesequence,_892-1108,cmrf35_mrna,_complete_cds
- 10** all_x77383_1094-1599,mrna_for_cathepsin-o
- x78031_1113-1629,alpha-1,_3-fucosyltransferase_mrna
- all_x95289_48-625,mrna_for_hcgix_protein_
- y11651cds_750-960:in_reversesequence,_1250-1466,mrna_for_phosphate_cyclase
- 15** Metagene 369
- d86966_4491-5031,mrna_for_kiaa0211_gene,_complete_cds
- d87074_6650-7184,mrna_for_kiaa0237_gene,_complete_cds
- hg1862-ht1897_at_hg1862-ht1897_calmodulin_type_i_
- 20** hg825-ht825_at_hg825-ht825_guanine_nucleotide-binding_protein,_alpha_12
- l08424_1124-1586,achaete_scute_homologous_protein_(ash1)_mrna,_complete_cds_
- l23116_3296-3644,galactocerebrosidase_(galc)_mrna,_complete_cds_
- m34715mrna_1750-2206,pregnancy-specific_beta-1-glycoprotein_mrna_psg95,_complete_cds_
- m57423_485-1016,phosphoribosylpyrophosphate_synthetase_subunit.iii_mrna,_3'_end.
- 25** m80359_2409-2835,protein_p78_mrna,_complete_cds
- s69370_234-
- 761,_pax3b=transcription_factor_{alternatively_spliced}_[human,_adult_cerebellum,_mrna,_8
- u25750_3002-3380,chromosome_17q21_mrna_clone_1046:1-1
- u35139_1111-1507,necdin_related_protein_mrna,_complete_cds_
- 30** u39447_3452-3980,placenta_copper_monamine_oxidase_mrna,_complete_cds_
- u42390_8359-8863,trio_mrna,_complete_cds
- u82130_1151-1451,tumor_susceptibility_protein_(tsg101)_mrna,_complete_cds_
- x53793cds_873-
- 1227,ade2hl_mrna_showing_homologies_to_saicar_synthetase_and_air_carboxylase_of_the_pu
- 35** x54150mrna_978-1530,mrna_for_fc_receptor_
- x63422cds_305-461:in_reversesequence,_688-916,mrna_for_delta-
- subunit_of_mitochondrial_f1f0_atp-synth
- all_x63546_7261-7856,mrna_for_tre_oncogene_(clone_210)_
- all_z25535_4922-5463,mrna_for_nuclear_pore_complex_protein_hnup153_

Metagene 441

- d16350_1280-1826,sa_mrna_for_sa_gene_product,_complete_cds_
5 d38073_2590-3022,mrna_for_hrlf_beta_subunit_(p102_protein),_complete_cds_
d63481_4350-4890,mrna_for_kiaa0147_gene,_partial_cds_
142373mrna_2651-3071,protein_phosphatase_2a_b56-alpha_mrna,_complete_cds
m29277_2335-
2901,isolate_juso_muc18_glycoprotein_mrna_(3'_variant),_complete_cds,isolate_juso_muc18_
10 m34458mrna_1900-2463,lamin_b_mrna,_complete_cds_
u33286_2642-3092,chromosome_segregation_gene_homolog_cas_mrna,_complete_cds
u37426_4269-4815,kinesin-like_spindle_protein_hksp_(hksp)_mrna,_complete_cds_
u53204_14286-14721,plectin_(plec1)_mrna,_complete_cds
u56816_1376-1838,kinase_myt1_(myt1)_mrna,_complete_cds.
15 u73843_1356-1860,epithelial-specific_transcription_factor_ese-1b_(ese-1)_mrna,_complete_cds
all_x74331_1801-2288,mrna_for_dna_primase_(subunit_p58)
all_x99459_1516-1799,mrna_for_sigma_3b_protein_
y00486mrna_252-
786,_adenine_phosphoribosyltransferase_(aprt)_gene_extracted_fromaprt_gene_for_adenin
20 all_z22555_2041-2516,encoding_cla-1_mrna_
z37986cds_409-631:in_reversesequence,_826-1000,mrna_for_phenylalkylamine_binding_protein

Metagene 407

- 25** d28539_4017-4549,mrna_for_metabotropic_glutamate_receptor_subtype_5b,_complete_cds_
d83195cds_448-802:in_reversesequence,_3957-
3963,dnase1_gene_for_deoxyribonuclease_i,_complete_cds_
m21665mrna_1535-1621,beta-myosin_heavy_chain_mrna,_3'_end
m32315_3202-3604,tumor_necrosis_factor_receptor_mrna,_complete_cds_
30 z70295exon#2-3_7-252:not_in_gb_record,gcap-ii_gene

Metagene 390

- d88795_13-379,mrna_for_cadherin,_partial_cds/gb=d88795/_ntype=rna_
35 d88797_49-379,mrna_for_cadherin,_partial_cds/gb=d88797/_ntype=rna_
hg273-ht273_s_at_hg273-ht273_lymphocyte_antigen_hla-g3_
hg3454-ht3647_at_hg3454-ht3647_zinc_finger_protein_
hg644-ht644_at_hg644-ht644_histone_h1.1
135251mrna_801-1281,extracellular_matrix_protein_(mfap3)_gene,_complete_cds

- all_m11437_1562-
 2440,_kng_gene_(kininogen)_extracted_fromkininogen_gene,_kng_gene_(kininogen)_extrac
 u28727_7835-8357,pregnancy-associated_plasma_protein-
 a_preproform_(pappa)_mrna,_complete_cds_
 5 u43279_3409-3955,nucleoporin_nup_36_mrna,_complete_cds/gb=u43279_/ntype=rna
 x05615cds_7824-8238:in_reversesequence,_8327-8423,mrna_for_thyroglobulin
 x51823cds_5-34,mrna_for_b-
 subunit_of_coagulation_factor_xiii_(fxiiib)_(partial)/gb=x51823_/ntype=rna
 x82279exon_54-169,fas,_apo-
 10 l_gene_(promoter_and_exon_i)/gb=x82279_/ntype=dna_/annot=exon_
 Metagene 254
 d28118_1807-2263,mrna_for_db1,_complete_cds
 15 d45370mrna_13-
 337,apm2_mrna_for_gs2374_(unknown_product_specific_to_adipose_tissue),_complete_cds
 hg2465-ht4871_at_hg2465-ht4871_dna-binding_protein_ap-2,_altsplice_3_
 m31682mma_2130-2526,testicular_inhibin_beta-b-subunit_mrna,_3'_end
 m86933_220-
 20 681,amelogenin_(amely)_mrna,_complete_cds,amelogenin_(amely)_mrna,_complete_cds
 u28249_919-1405,11kd_protein_mrna,_complete_cds
 u68031_91-301,g_protein-
 coupled_receptor_(strl22)_mrna,_alternatively_spliced_5'_utr_sequence/gb=u68
 x76732cds_975-1221:in_reversesequence,_1464-
 25 1518:not_in_gb_record,nefa_protein_mrna,_complete_cds_(d
 Metagene 399
 d87328_5900-6404,mrna_for_hcs,_complete_cds
 30 j05096mrna_5006-5456,na,k-atpase_subunit_alpha(atp1a2)_gene,_complete_cds
 reverse_l76568_31050-
 31356,_s26_fromexcision_and_cross_link_repair_protein_(ercc4)_gene,_complete_ge
 all_u67092_1093-1868:not_in_gb_record,ataxia-
 telangiectasia_locus_protein_(atm)_gene,_exons_1a,_1b,_
 35 all_x13227_1080-1567,mrna_for_d-amino_acid_oxidase_(ec_1.4.3.3)
 x59710cds_75-585:in_reversesequence,_714,mrna_for_caat-
 box_dna_binding_protein_subunit_b_(nf-yb)
 x64559cds_202-580:in_reversesequence,_679-823,mrna_for_tetranectin

Metagene 275

- j04168_1867-2263,leukosialin_mrna_complete_cds
 105515_2108-2594,camp_response_element-binding_protein_(cre-bp1)_mrna_complete_cds_
5 109190mrna_6480-6930,trichohyalin_(trhy)_gene_complete_cds_
 m26602_181-469,defensinprotein_mrna_complete_cds_
 u79245_1139-1541,clone_23586_mrna_sequence_
 u82668mrna#2_1298-
 1820,_shox_gene_(shoxb)_extracted_fromshox_gene_alternatively_spliced_products,_c
10 z18954exon#1-4_126-240:in_reversesequence,_246-264,mrna_for_s100d_calcium_binding_protein_

Metagene 268

- d63483_2777-3304,mrna_for_kiaa0149_gene_complete_cds
15 104510_2769-3285,nucleotide_binding_protein_mrna_complete_cds_
 m25322mrna_2577-3039,granule_membrane_protein-140_mrna_complete_cds_
 s76978_29-224,_prostate-
 specific_membrane_antigen_{alternatively_spliced}_[human_primary_prostatic_
 u33429_2481-2994,k+_channel_betasubunit_mrna_complete_cds
20

Metagene 250

- d00760_277-781,mrna_for_proteasome_subunit_hc3_
 d14710_1298-1808,mrna_for_atp_synthase_alpha_subunit_complete_cds_
25 d15057_162-576,mrna_for_dad-1_complete_cds
 d78151_2321-2825,mrna_for_26s_proteasome_subunit_p97_complete_cds_
 d78275_959-1511,mrna_for_proteasome_subunit_p42_complete_cds
 hg1112-ht1112_at_hg1112-ht1112_ras-like_protein_tc4
 hg2855-ht2995_at_hg2855-ht2995_heat_shock_protein_70_kda
30 hg3214-ht3391_at_hg3214-ht3391_metallopanstimulin_
 j02683mrna_629-1066,adp/atp_carrier_protein_mrna_complete_cds_
 j02902mrna_1694-2156,protein_phosphatase_2a_regulatory_subunit_alpha-isotype_(alpha-pr65)_mrna_comp
 j04173_1114-1648,phosphoglycerate_mutase_(pgam-b)_mrna_complete_cds
35 j04973mrna_1023-1485,cytochrome_bc-1_complex_core_protein_ii_mrna_complete_cds
 103532_1898-2372,m4_protein_mrna_complete_cds_
 107633_396-870,(clone_1950.2)_interferon-gamma_ief_ssp_5111_mrna_complete_cds
 126247_131-617,suilisol_mrna_complete_cds
 141351mrna_1269-1695,prostasin_mrna_complete_cds_

- 176159mrna_471-957,frgl_mrna,_complete_cds
 m17733mrna_13-505,thymosin_beta-4_mrna,_complete_cds_
 m38690_584-1106,cd9_antigen_mrna,_complete_cds_
 m55265mrna_1612-2116,casein_kinase_ii_alpha_subunit_mrna,_complete_cds_
5 m57730mrna_975-1437,b61_mrna,_complete_cds_
 m63488_1834-2344,replication_protein_a_70kda_subunit_mrna_complete_cds_
 m93651_1973-2519,set_gene,_complete_cds
 s80343_1609-2077,_args=arganyl-trna_synthetase_[human,_ataxia-telangiectasia_patients,_cbv-
 lymphobl
10 u03100_2985-3501,alpha2(e)-catenin_mrna,_complete_cds
 u06155cds_43-
 495,chromosome_1q_subtelomeric_sequence_d1s553/gb=u06155/_ntype=dna/_annot=cds,chromoso
 u15008_25-433,snrp_core_protein_sm_d2_mrna,_complete_cds
 u18919_408-948,chromosome_17q12-21_mrna_clone_pov-2,_partial_cds
15 u25849mrna_1717-2137,red_cell-
 type_low_molecular_weight_acid_phosphatase_(acp1)_gene,_5'_flanking_re
 u30825_528-1014,splicing_factor_srp30c_mrna,_complete_cds
 u32944_162-540,cytoplasmic_dynein_light_chain(hd1c1)_mrna,_complete_cds_
 u38846_1294-1732,stimulator_of_tar_rna_binding_(srb)_mrna,_complete_cds
20 u39317_16-484,e2_ubiquitin_conjugating_enzyme_ubch5b_(ubch5b)_mrna,_complete_cds_
 u51678_276-756,small_acidic_protein_mrna,_complete_cds_
 u52427mrna_239-773,rna_polymerase_ii_seventh_subunit_(rpb-7)_gene,_complete_cds.
 u60276_645-1191,hasna-i_mrna,_complete_cds_
 u73514_376-892,short-chain_alcohol_dehydrogenase_(xh98g2)_mrna,_complete_cds.
25 u73824_3202-3766,p97_mrna,_complete_cds
 u77396_at_u77396_u77396,not_in_gb_record,tnf-
 alpha_inducible_responsive_element_mrna,_complete_cds
 x00351cds_855-1065:in_reversesequence,_1154-1376,mrna_for_beta-actin
 all_x15183_2479-2894,mrna_for_90-kda_heat-shock_protein
30 all_x53331_31-590,mrna_for_matrix_gla_protein
 all_x57206_3916-4487,mrna_for_1d-myo-inositol-trisphosphate_3-kinase_b_isoenzyme_
 x57959cds_264-714,mrna_for_ribosomal_protein_17
 x60036cds_683-1037:in_reversesequence,_1163-
 1223,mrna_for_mitochondrial_phosphate_carrier_protein_
35 x63563cds_3176-3500,mrna_for_rna_polymerase_ii_140_kda_subunit_
 x75091cds_300-653:in_reversesequence,_848-892,mrna_for_hla-dr_associated_protein_ii_(phapii)
 all_x81817_933-1240,bap31_mrna_
 x83218cds_215-539,mrna_for_atp_synthase
 all_x96752_1367-1818,mrna_for_1-3-hydroxyacyl-coa_dehydrogenase

y12711_336-864,mrna_for_putative_progestrone_binding_protein
 z35402mrna_3912-4402,gene_encoding_e-cadherin_exonand_joined_cds
 z50853cds_556-802:in_reversesequence,_833-1001,mrna_for_clpp

5 Metagene 67

hg2171-ht2241_at_hg2171-ht2241_12-lipoxygenase_
 m97347_1499-2060,beta-1,6-n-acetylglucosaminyltransferase_mrna,_complete_cds_
 u46116mrna_5907-6477,receptor_tyrosine_phosphatase_gamma_(ptprg)_gene

10 all_u83600_202- 527,death_domain_receptor(DDR3)_mrna,_alternatively_spliced_form_2,_partial_cds/gb=u8 all_x95715_1306-1901,mrna_for_anthracycline_resistance_associated_protein

Metagene 293

15 102320_1463-1997,radixin_mrna,_complete_cds m86868_1189-1585,gamma_amino_butyric_acid_(GABA_RHO2)_gene_mrna,_complete_cds

Metagene 448

20 ab000449_1091-1607,mrna_for_vrk1,_complete_cds_ d14689_6077-6557,mrna_for_kiaa0023_gene,_complete_cds x55668mrna_550-940,mrna_for_proteinase_3_ all_x75917_1064-1602,mrna_for_fetal_beta-mhc_binding_factor

25 Metagene 127

30 124470_1905-2403,prostanoid_fp_receptor_mrna,_complete_cds all_m36089_2244-2797,dna-repair_protein_(XRCC1)_mrna,_complete_cds_ m74161_2469-2991,inositol_polyphosphate_5-phosphatase_(5ptase)_mrna,_3'_end s57235_1085- 1664,_cd68=110kda_transmembrane_glycoprotein_[human_promonocyte_cell_line_u937,_mrna,_1 u48231exon#2_1478-2015,bradykinin_b1_receptor_(bdkrb1)_gene,_first_ x51630mrna_2403-2955:in_reversesequence,_2961- 35 2979,wilms_tumor_wt1_mrna_for_zinc_finger_protein,_kru x98261cds_121-352:in_reversesequence,_388-583,mrna_for_m-phase_phosphoprotein,_mpp5_

Metagene 134

- hg4128-ht4398_at_hg4128-ht4398_anion_exchanger_3_cardiac_isoform
j03934_1835-2371_human_nad(p)h:menadione_oxidoreductase_mrna_complete_cds
100634_734-1246_farnesyl-protein_transferase_alpha-subunit_mrna_complete_cds
109717mrna_1316-1778_lyosomal_membrane_glycoprotein-
- 5 2_(lamp2)_gene_5'_end_and_flanking_region
110413_1331-1589_farnesyltransferase_alpha-subunit_mrna_complete_cds
120852_2574-3150_leukemia_virus_receptor(givr2)_mrna_complete_cds
137199_977-1313_(clone_cd24-1)_huntington_disease_candidate_region_mrna_fragment
142025mrna_1988-2504_cellular_co-factor_(rab)_gene_complete_cds_
- 10 m23114mrna_3623-4085_calcium-atpase_(hkl)_mrna_complete_cds
m55150mrna_978-1422_fumarylacetoacetate_hydrolase_mrna_complete_cds_
m91592_1971-2325_zinc-finger_protein_(znf76)_gene_partial_cds_
s82447_42-397_gcn5-
like_1=gcn5_homolog/putative_regulator_of_transcriptional_activation_{clone_gcn5
- 15 u10324_2934-3444_nuclear_factor_nf90_mrna_complete_cds
u24169_723-1197_jtv-1_(jtv-1)_mrna_complete_cds_
u24183_2457-3031_phosphofructokinase_(pfkm)_mrna_complete_cds_
u29091_960-1368_selenium-binding_protein_(hsbp)_mrna_complete_cds/gb=u29091/_ntype=rna
u29463mrna_2121-2681_cytochrome_b561_gene
- 20 u40462_3034-3574_ikaros/lyf-1_homolog_(hik-1)_mrna_complete_cds_
u52153_2069-2513_inwardly_rectifying_potassium_channel_kir3.2_mrna_complete_cds_
u65676_3144-3648_hermansky-pudlak_syndrome_protein_(hps)_mrna_complete_cds
u66669_785-1240:not_in_gb_record,3-hydroxyisobutyryl-
coenzyme_a_hydrolase_mrna_complete_cds
- 25 u68063_1453-1915_transformer-2_beta_(htra-2_beta)_mrna_complete_cds_
u74612_2915-3425_hepatocyte_nuclear_factor-3/fork_head_homolog_11a_(hfh-
11a)_mrna_complete_cds.
u75370_3396-
3732_mitochondrial_rna_polymerase_mrna_nuclear_gene_encoding_mitochondrial_protein_com
- 30 u76272mrna_161-689_diadenosine_triphosphate_(ap3a)_hydrolase_(fhit)_gene_5'_of
u91316_891-1461_acyl-coa_thioester_hydrolase_mrna_complete_cds
all_x06825_679-1154_mrna_for_skeletal_beta-tropomyosin_
x15187cds_2089-2380:in_reversesequence_2521-
2737,tra1_mrna_forhomologue_of_murine_tumor_rejection_a
- 35 x61970cds_299-677:in_reversesequence_758-860_mrna_for_macropain_subunit_zeta_
all_x70944_2459-3030_mrna_for_ptb-associated_splicing_factor_
all_x77922_1492-2000_gd3_synthase_mrna_
x85134mrna_2737-3007_rbq-3_mrna_
all_x87176_2148-2593_mrna_for_17-beta-hydroxysteroid_dehydrogenase_

- all_x91788_857-1284,mrna_for_icln_protein
 x95586exon#3_56-248:in_reversesequence,_5872-6088:not_in_gb_record,mb1_gene
 x97795cds_1954-2218:in_reversesequence,_2342-2564,mrna_homologous_to_scerevisiae_rad54
 y08682mrna_2358-2552,mrna_for_carnitine_palmitoyltransferase_i_type_i_
- 5** y11251_4297-4822,mrna_for_novel_member_of_serine-arginine_domain_protein,_srrp129
 z17227_1268-1850,mrna_for_transmembrane_receptor_protein_
 z68129mrna#1_3-469:in_fullsequence,_16183-16321:not_in_gb_record,_h-
 idh_gamma_gene_(nad(h)-specific_
- 10** Metagene 466
- hg3920-ht4521_s_at_hg3920-ht4521_homeotic_protein_a1,_i,_altsplice_1_
 hg4517-ht4920_s_at_hg4517-
 ht4920_immunoglobulin_recombination_signal_sequence_binding_protein,_altsp
- 15** l34155_4838-5306,laminin-related_protein_(lama3)_mrna,_complete_cds_
 m21305cds_39-
 119,alpha_satellite_and_satellitejunction_dna_sequence/gb=m21305/_ntype=dna/_annot=cds_
 u60808_1423-2000,cdp-diacylglycerol_synthase_(cds)_mrna,_complete_cds
 x60673mrna_1091-1649,ak3_mrna_for_adenylate_kinase_3
- 20** Metagene 100
- d28423_53-100,mrna_for_pre-
 mrna_splicing_factor_srp20,_5'_utr_(sequence_from_the_5'_cap_to_the_start
- 25** all_d89377_1587-2173,mrna_for_msx-2,_complete_cds,mrna_for_msx-2,_complete_cds
 l13943_1963-2019,glycerol_kinase_(gk)_mrna_exons_1-4,_complete_cds_
 m37197mrna_2687-3065,ccaat-box-binding_factor_(cbf)_mrna,_complete_cds_
 m68520_1708-2170,cdc2-related_protein_kinase_mrna,_complete_cds
 s67970_962-1538,_znf75=krab_zinc_finger_[human,_lung_fibroblast,_mrna,_1563_nt]_
- 30** s70585mrna_138-612,_thyroid-
 stimulating_hormone_alpha_subunit_[human,_genomic,_1327_ntsegments]_
 s82471_77-298,_ssx3=kruppel-
 associated_box_containing_ssx_gene_[human,_testis,_mrna_partial,_675_nt]
 u04209_1396-1834,associated_microfibrillar_protein_mrna,_complete_cds
- 35** u12978_1713-2247,sperm_membrane_protein_bs-84_(hsd-1)_mrna,_partial_cds
 u15555_1003-1489,serine_palmitoyltransferase_(lcb2)_mrna,_partial_cds
 u18271_cds1_at_u18271_u18271,not_in_gb_record,thymopoietin_(tmpo)_gene,thymopoietin_(tmpo)
)_gene
 u39226_6864-7440,myosin_viiia_(ush1b)_mrna,_complete_cds

u43843_813-1374,h-neuro-d4_protein_mrna_complete_cds

u82321_1608-2112,clone_14.9b_mrna_sequence_

all_x59618_1970-2475,rr2_mrna_for_small_subunit_ribonucleotide_reductase_

x98482mrna_2-

- 5 46,tnnt2_gene_exon/gb=x98482_/ntype=dna_/annot=mrna,tnnt2_gene_exon/gb=x98482_/ntype=dn

Metagene 59

af001548mrna_6079-

- 10 6385_815a9.1_gene_(myosin_heavy_chain)_extracted_fromchromosomebac_clone_cit987sk

d15049_3317-3845,mrna_for_protein_tyrosine_phosphatase_

l36531mrna_2573-3059,integrin_alphasubunit_mrna_3'_end

l41680_1371-1869,alpha-2,8-polysialyltransferase_(pst)_gene_complete_cds_

m17316exon_3-249:in_reversesequence_260-338:not_in_gb_record,gamma-a-

- 15 crystallin_gene_(gamma-g5)_

m26061mrna_2449-2890:not_in_gb_record,cgmp_phosphodiesterase_alpha_subunit_(cgpr-a)_mrna_complete_c

m73482mrna_757-1279,neuromedin_b_receptor_(nmb-r)_mrna_complete_cds_

u43916_147-698,tumor-associated_membrane_protein_homolog_(tmp)_mrna_complete_cds

- 20 u46744_2358-2493,dystrobrevin-alpha_mrna_complete_cds_

u94747_838-1276,wd_repeat_protein_han11_mrna_complete_cds/gb=u94747_/ntype=rna

all_x74142_1952-2535,hbf-1_mrna_for_transcription_factor_

y09445cds_1175-1517:in_reversesequence_2206-2368,mrna_for_transcription_factor_tbx5_

- 25 Metagene 87

j05070_1805-2303,type_iv_collagenase_mrna_complete_cds

u22028utr#1_47-

168:in_reversesequence_8031,cytochrome_p450_(cyp2a13)_gene_complete_cds,cytochrome_

- 30 u77968_1294-1879,neuronal_pas1_(npas1)_mrna_complete_cds

x87767exon_4-148,cd89_gene_exon_s1/gb=x87767_/ntype=dna_/annot=exon_

Metagene 195

- 35 d87461_2959-3517,mrna_for_kiaa0271_gene_complete_cds

m26004_3326-3894,cr2/cd21/c3d/epstein-barr_virus_receptor_mrna_complete_cds_

m65254_1710-2184_protein_phosphatase_2a_65_kda_regulatory_subunit-beta_mrna_complete_cds

s81243_2102-

2660_chn=steroid/thyroid_orphan_receptor_homolog_gene_[human_fetal_brain_mrna_partial

- u04847_1262-1802, inil_mrna_complete_cds_
u18383mrna_2319-2587,nuclear_respiratory_factor(nrf-1)_gene_
u19147_34-66,gage-6_protein_mrna_complete_cds_
u51920_1447-1927,signal_recognition_particle(srp54)_mrna_complete_cds
5 u79290_1380-1770,clone_23908_mrna_sequence_
u97502mrna_2736-3126,butyrophilin(bt3.3)_gene_
all_x51757_1909-2414,heat-shock_protein_hsp70b'_gene_
x95152mrna_10974-11274,brca2_gene_exon(and_joined_coding_region)_
y10812_767-1253,mrna_for_fructose-bisphosphatase_
10
Metagene 489

m92287_1531-1999,cyclin_d3(ccnd3)_mrna_complete_cds_
u32989_1109-1559,tryptophan_oxygenase(tdo)_mrna_complete_cds_
15 u90907_1150-1612,clone_23907_mrna_sequence_
all_x99268_928-1367,mrna_for_b-hlh_dna_binding_protein_

Metagene 451

20 d10923_1452-1962,mrna_for_hm74_
d42038_3730-4216,mrna_for_kiaa0087_gene_complete_cds
d50917_4943-5489,mrna_for_kiaa0127_gene_complete_cds
d50918_4053-4563,mrna_for_kiaa0128_gene_partial_cds_
hg2530-ht2626_at_hg2530-ht2626_adenylyl_cyclase-associated_protein
25 hg2796-ht2904_at_hg2796-ht2904_neural_cell_adhesion_molecule_
hg3248-ht3425_at_hg3248-ht3425_fibroblast_growth_factor_antisense_mrna
all_k01884_587-888,blym-1_transforming_gene_complete_coding_region
l05568_1937-2459,na+/cl- dependent_serotonin_transporter_mrna_complete_cds
l10374_1461-1977,(clone_ctg-a4)_mrna_sequence
30 l11695_1767-2247,activin_receptor-like_kinase(alk-5)_mrna_complete_cds_
l13436mrna_3522-4020,guanylate_cyclase_mrna_complete_mature_peptide
l20321_3112-3655,protein_serine/threonine_kinase_stk2_mrna_complete_cds_
l22206exon#3_63-639,vasopressin_receptor_v2_gene_complete_cds_
l38500cds_1574-2102,na+/myo-
35 inositol_cotransporter(slc5a3)_gene_complete_cds/gb=l38500/_ntype=dna_
l77563mrna_129-591,dgs-f_partial_mrna/gb=l77563/_ntype=rna
reverse_l78833_2267-
2337_brca1_gene_extracted_frombrca1_rho7_and_vati_genes_complete_cds_and_ipf
m17863mrna_242-822,preproinsulin-like_growth_factor_ii(igf-ii)_variant_mrna_complete_cds_

- all_m19720_2034-2557,l-myc_gene_(l-myc_protein)_extracted_froml-myc_protein_gene,_complete_cds,l-m
- m25164cds_5-383:in_reversesequence,_265-1170,thyrotropin_beta_subunit_gene
- m55268mrna_1094-1556,casein_kinase_ii_alpha'_subunit_mrna,_complete_cds
- 5 m62302_1939-2485,growth/differentiation_factor(gdf-1)_mrna,_complete_cds
- m64788_2759-3209,gtpase_activating_protein_(rap1gap)_mrna,_complete_cds
- m65290_1957-2215,natural_killer_cell_stimulatory_factor_(nksf)_mrna,_complete_cds_clone_p40_
- m95549_1774-2194,sodium/glucose_cotransporter-like_protein_mrna,_complete_cds_
- m98776mrna_1864-2266,keratogene,_complete_cds_
- 10 s78432mrna#1_3-87,_un-named-transcript-
- 1_from_sas=transmembraneprotein_{5' region}_[human_sarcomas,
- u10686exon#2_730-1267,mage-11_antigen_(mage11)_gene,_complete_cds
- u12897_1564-1870:in_reversesequence,_1900-1996,non-translated_mrna_sequence_
- u15173_1781-2303,nip2_(nip2)_mrna,_complete_cds
- 15 u23736_779-1348,gata-3_binding_protein_g3b_mrna,_partial_cds.
- u28831_532-964,protein_immuno-reactive_with_anti-ptb_polyclonal_antibodies_mrna,_partial_cds_
- u37352_3505-3961,protein_phosphatase_2a_b'alpha1_regulatory_subunit_mrna,_complete_cds_
- u37431mrna#1_2114-
- 2540,hoxa1_mrna_long_transcript_and_alternatively_spliced_forms,_complete_cds_
- 20 u43527_180-728:not_in_gb_record,malignant_melanoma_metastasis-suppressor_(kiss-
- l)_gene,_mrna,_comple
- u43944_1705-1978,breast_cancer_cytosolic_nadp(+)-dependent_malic_enzyme_mrna,_partial_cds
- u47931mrna_63-537,g-protein_beta-
- 3_subunit_alternatively_spliced_form_mrna_sequence/gb=u47931/_ntype
- 25 u52830_19-271,cri-du-chat_region_mrna_clone_csc8.
- u55209_3812-3977,myosin_viiia_transcriptmrna,_complete_cds_
- u63329cds_1128-1554:in_reversesequence,_1814,muty_homolog_(hmyh)_gene,_complete_cds_
- u84011_6566-
- 7127,glycogen_debranching_enzyme_isoform(agl)_mrna,_alternatively_spliced_isoform,_compl
- 30 x04145cds_286-454:in_reversesequence,_593-689,mrna_for_t-
- cell_receptor_t3_gamma_polypeptide_
- x14690cds_1150-1604:in_reversesequence,_1636-1676,mrna_for_plasma_inter-alpha-
- trypsin_inhibitor_heav
- all_x16983_3252-3787,mrna_for_integrin_alpha-4_subunit_
- 35 all_x65962_1115-1174,mrna_for_cytochrome_p-450_
- all_x79984_16-269,aal_mrna/gb=x79984/_ntype=rna
- x89398exon#7_695-1121,_ung_gene_(uracil-dna-
- glycosylase,_ung2)_extracted_fromung_gene_for_uracil_dna
- all_z48541_4517-5100,mrna_for_protein_tyrosine_phosphatase_

z48579cds_1852-2050;in_reversesequence,_2062-2392,mrna_for_disintegrin-
 metalloprotease_(partial)_
 reverse_z84722_11257-
 11453,dna_sequence_from_cosmid_gg4_from_a_contig_from_the_tip_of_the_short_arm_

5

Metagene 252

- d10326_1427-1981,mrna_for_pyruvate_kinase
 d49372_197-755,mrna_for_eotaxin,_complete_cds
- 10 all_d83407_2601-3184,_zaki-4_mrna_inskin_fibroblast,_complete_cds
 d87467_5371-5857,mrna_for_kiaa0277_gene,_complete_cds
 hg167-ht167_s_at_hg167-ht167_hypothetical_protein_npiiy20
 hg2810-ht2921_at_hg2810-ht2921_homeotic_protein_pl2
 hg3162-ht3339_at_hg3162-ht3339_transcription_factor_iaa
- 15 hg3627-ht3836_at_hg3627-ht3836_calcium_channel,_voltage-
 gated,_betasubunit,_l_type,_altsplice_2,_ske
 hg3638-ht3993_s_at_hg3638-ht3993_amyloid_beta_(a4)_precursor_protein,_altsplice_4
 hg4169-ht4439_s_at_hg4169-ht4439_syntaxin_1b_
 hg830-ht830_at_hg830-ht830_potassium_channel_
- 20 j02645mrna_882-1314,translational_initiation_factor_(eif-2),_alpha_subunit_mrna,_complete_cds
 k02777_139-621,t-cell_receptor_active_alpha-chain_mrna_from_jurkat_cell_line_
 l00354exon_7-361;not_in_gb_record,cholecystokinin_(cck)_gene
 l43821mrna_3222-3774,enhancer_of_filamentation_(hef1)_mrna,_complete_cds
 all_m15517_182-
- 25 480,_ttr_gene_extracted_frommutant_prealbumin_gene_directly_linked_to_familial_amyloi
 all_m17183_531-752,parathyroid_hormone-related_protein_mrna,_complete_cds
 all_m17466_3487-4040,blood_coagulation_factor_xii_(f12)_gene_
 m20642mrna_369-898,alkali_myosin_light_chainmrna,_complete_cds
 m69238_2033-2579,aryl_hydrocarbon_receptor_nuclear_translocator_(arnt)_mrna,_complete_cds
- 30 m90299mrna_2142-2628,glucokinase_(gck)_mrna,_complete_cds
 s43646_1904-2402,_cytokeratin[human,_epidermis,_mrna,_2427_nt]_
 s77582_2-
 55,_hervk10/hummtv_reverse_transcriptase_homolog_{clone_rt240}_[human,_multiple_sclerosis,_
 s78798_1252-1687,_1-phosphatidylinositol-4-phosphate_5-
- 35 kinase_isoform_c_[human,_peripheral_blood_leu
 s79219_344-902,_metastasis-
 associated_gene_[human,_highly_metastatic_lung_cell_subline_anip[937],_mr
 s82592_357-861,_evi-1=evi-
 l_protein_{3'_region,_deletion_region}_[human,_megakaryoblastoid_cell_line

- u13219_1945-2473,forkhead_protein_freac-1_mrna_complete_cds_
u18549exon#2_1091-1571,gpr6_g_protein-coupled_receptor_gene_complete_cds
u40317_5400-5965,protein_tyrosine_phosphatase_ptpsigma_(ptpsigma)_mrna_complete_cds_
u49250_2323-2851,putative_cerebral_cortex_transcriptional_regulator_t-brain-1_(tbr-
5 1)_mrna_complete
u58130_2887-3301,bumetanide-sensitive_na-k-2cl_cotransporter_(nkcc2)_mrna_complete_cds
u67615_12883-13381,beige_protein_homolog_(chs)_mrna_complete_cds
u77846mrna_979-
1356,elastin_gene_partial_cds_and_partial_3'_utr,elastin_gene_partial_cds_and_parti
10 u79277_986-1520,clone_23548_mrna_sequence
u89995_3040-3460,dna_binding_protein_fkhl15_(fkhl15)_mrna_complete_cds
u92015_605-1031,clone_143789_defective_mariner_transposon_hsmar2_mrna_sequence_
all_x07876_1706-2205,mrna_for_irp_protein_(int-1_related_protein)
x16706cds_541-931:in_reversesequence,_970,fra-2_mrna
15 x54380mrna_4050-4590,mrna_for_pregnancy_zone_protein_
all_x64269_2501-2754,gene_mttf1_for_mitochondrial_transcription_factor_1_
x68561cds_2234-2324:in_reversesequence,_2547-2943,spr-1_mrna_for_gt_box_binding_protein_
all_x69920_2736-3249,mrna_for_calcitonin_receptor
all_x73079_2348-2919,encoding_polymeric_immunoglobulin_receptor_
20 all_x77737_992-1431,mrna_for_red_cell_anion_exchanger_(epb3_ae1_band_3)_3'_non-
coding_region_
all_x78342_1655-1857,pisslre_mrna
x78711cds_1553-1638:in_reversesequence,_1665-1735,mrna_for_glycerol_kinase_testis_specific_1
x87871cds_939-1367:in_reversesequence,_1472-1588,mrna_for_hepatocyte_nuclear_factor_4b
25 all_x90846_2935-3407,mrna_for_mixed_lineage_kinase_2,mrna_for_mixed_lineage_kinase_2
x91220_3940-4165,mrna_for_na-cl_electroneutral_thiazide-sensitive_cotransporter
all_z11502_886-1451,mrna_for_intestine-specific_annexin
z48051mrna_1733-2303,gene_for_myelin_oligodendrocyte_glycoprotein_(mog)_
all_z70218_2-333,mrna_for_mn1_protein_(clone_icrfp507i0498)
30 all_z73903_5001-5554,mrna_for_trpc1a.
z96810cds_482-968,dna_sequence_from_pac_452h17_on_chromosome_x_contains_sodium-
and_chloride-dependen
Metagene 334
35
d13146mrna#1_2083-2551,_2',3'-cyclic-nucleotide_3'_-
phosphodiesterase_gene_extracted_from2',3'_-c
d21235_1418-1673,mrna_for_hhr23a_protein_complete_cds_
d83702_2392-2902,brain_mrna_for_photolyase_homolog_complete_cds_

- d87452_3950-4418,mrna_for_kiaa0263_gene,_complete_cds
d87459_2144-2564,mrna_for_kiaa0269_gene,_complete_cds
113848_3675-4161,rna_helicase_a_mrna,_complete_cds_
120591exon_1-295:not_in_gb_record,annexin_iii (anx3)_gene,_alternative
5 m22348_3-494,mitochondrial_ubiquinone-binding_protein_mrna,_complete_cds_
s74017_1721-2213,_nrf2=nf-e2-
like_basic_leucine_zipper_transcriptional_activator_[human,_hemin-induc
s75313_1197-1387,_mjd1=mjd1_protein_{cag_repeats}[human,_brain,_mrna,_1776_nt]
u19765exon#5_630-1194,nucleic_acid_binding_protein_gene,_complete_cds
10 u64105_2540-3104,guanine_nucleotide_exchange_factor_p115-rhogef_mrna,_partial_cds
u67156_4641-5151,mitogen-activated_kinase_kinase_kinase(mapkkk5)_mrna,_complete_cds_
all_x06318_2381-2541,mrna_for_protein_kinase_c (pkc)_type_beta_i_
x55740mrna_2940-3516,placental_cdna_coding_for_5'_nucleotidase (ec_3.1.3.5)
all_x76648_338-777,mrna_for_glutaredoxin_
15 z78291_28-223,mrna (clone_1d8).

Metagene 311

- d13305_1572-1992,mrna_for_brain_cholecystokinin_receptor_
20 d55640_110-635,monocyte_pab1 (pseudoautosomal_boundary-
like_sequence)_mrna,_clone_mo2/gb=d55640/_nty
119063exon_79-451,glial-
derived_neurotrophic_factor_gene,_complete_cds/gb=119063/_ntype=dna/_annot=e
139211_1877-2399,mitochondrial_carnitine_palmitoyltransferase_i_mrna,_complete_cds
25 m10051_4111-4651,insulin_receptor_mrna,_complete_cds_
m69203cds_4-254:in_reversesequence,_122-144,cytokine (scya2)_gene_
u03644_1050-1452,recpin_mrna,_complete_cds
u17566_2214-2754,65_kda_hydrophobic_protein_mrna,_complete_cds_
u78628_7-
30 199,leukemia_inhibitory_factor_receptor_mrna_5'_untranslated_region/gb=u78628/_ntype=rna_
x66363cds_1279-1459:in_reversesequence,_1594-1702,mrna_pctaire-
1_for_serine/threonine_protein_kinase
x85785mrna_1060-1498,darc_gene
x99076mrna_736-1234,nrgn_gene,_exons_2,3_&(joined_cds)_
35 y00451cds_1461-1890:in_reversesequence,_2009-2037,mrna_for_5-aminolevulinate_synthase_

Metagene 175

m31661_2134-2674,prolactin (prl)_receptor_mrna,_complete_cds_

u12139exon_13-

151, alpha1(xi)_collagen_(col11a1)_gene, 5'_region_and_exon/gb=u12139/_ntype=dna/_annot

Metagene 43

5

d11086_976-1408,mrna_for_interleukinreceptor_gamma_chain

hg2090-ht2152_s_at_hg2090-ht2152_external_membrane_protein,_130_kda

hg2639-ht2735_s_at_hg2639-ht2735_single-stranded_dna-binding_protein_mssp-1

m30257_2214-2709,vascular_cell_adhesion_moleculermrna,_complete_cds

10 m33600_581-1109,mhc_ii_hla-dr-beta-1_(hla-drb1)_mrna,_complete_cds_

m37033_915-1395,cd53_glycoprotein_mrna,_complete_cds_

m60830exon_1480-2020,evi2b3p_gene,_exon_and_complete_cds_

m83221_1788-2262,i-rel_mrna,_complete_cds_

s73813_1337-

15 1775,_cd39=lymphoid_cell_activation_antigen_[human,_b_lymphoblastoid_cell_line,_mp-1,_mr
u95626mrna#3_2792-

3278,_ccr2_gene_(ccr2a)_extracted_fromccr2b_(ccr2),_ccr2a_(ccr2),_ccr5_(ccr5)_and_

x04500exon#7_244-778,gene_for_prointerleukinbeta

x56841mrna_1269-1713,hla-e_gene

20 all_x57522_2229-2788,ring4_cdna

x64072cds_1948-2281:not_in_gb_record,_hsapiens_cd18_exon_2_

all_x99687_221-732,mrna_for_methyl-cpg-binding_protein_2,_intron/gb=x99687/_ntype=rna_

all_y00062_3996-4597,mrna_for_t200_leukocyte_common_antigen_(cd45,_lc-a)_

y09561cds_1238-1676:in_reversesequence,_1798,mrna_for_p2x7_receptor_

25 z14982mrna#1_616-1150,_mhc-encoded_proteasome_subunit_gene_lamp7-
e1_gene_(proteasome_subunit_lmp7)_e

Metagene 458

30 hg2339-ht2435_at_hg2339-ht2435_nuclear_factor_1,_variant_hepatic_

l11702_2837-3335,phospholipase_d_mrna,_complete_cds

l38820exon_170-620,hmc_i_antigen-like_glycoprotein_(cd1d)_gene

m93119_2345-2777,zinc-finger_dna-binding_motifs_(ia-1)_mrna,_complete_cds

all_u34301_1497-

35 1528,nonmuscle_myosin_heavy_chain_iib_gene,_promoter_region_and_exon/gb=u34301/_ntyp

u66497_3549-4047,leptin_receptor_splice_variant_form_13.2_mrna,_complete_cds.

u73191_1078-1582,inward_rectifier_potassium_channel_(kir1.3),_complete_cds_

all_x75756_3248-3699,mrna_for_protein_kinase_c_mu

Metagene 222

- d87444_3517-3823,mrna_for_kiaa0255_gene,_complete_cds
d89859_2331-2841,mrna_for_zinc_fingerprotein,_complete_cds
- 5 hg162-ht3165_at_hg162-ht3165_tyrosine_kinase,_receptor_axl,_altsplice_2
hg33-ht33_at_hg33-ht33_ribosomal_protein_s4,_x-linked
l06147_1586-2042,(clone_sy11)_golgin-95_mrna,_complete_cds_
l10910_2084-2552,splicing_factor_(cc1.3)_mrna,_complete_cds_
m18737mrna_269-
- 10 815,_gja1p1_gene_extracted_fromhanukah_factor_serine_protease_(huhf)_mrna,_complete_c
all_m29277_2842-
2926,isolate_juso_muc18_glycoprotein_mrna_(3'_variant),_complete_cds,isolate_juso_mu
m33493_504-792,tryptase-iii_mrna,_3'_end_
m83822_6791-7253,beige-like_protein_(bgl)_mrna,_partial_cds
- 15 s52969_cds1_s_at_s52969_s52969,not_in_gb_record,_description:_alpha-
1,3_fucosyltransferase_gene_extr
u07620_1861-2215,map_kinase_mrna,_complete_cds_
u48705mrna_3326-3867,receptor_tyrosine_kinase_ddr_gene,_complete_cds
u63295_1285-1795,seven_in_absentia_homolog_mrna,_complete_cds
- 20 u67122_469-728,ubiquitin-related_protein_sumo-1_mrna,_complete_cds.
u70660_31-463,copper_transport_protein_hah1_(hah1)_mrna,_complete_cds
x80907_2095-2557,mrna_for_p85_beta_subunit_of_phosphatidyl-inositol-3-kinase_
x84707mrna_73-511,mia_gene
x89211cds_1571-
- 25 2129,dna_for_endogenous_retroviral_like_element/gb=x89211/_ntype=dna/_annot=cds_
all_z21966_1647-2182,mpou_homeobox_protein_mrna
z36715cds_1026-1200:in_reversesequence,_1491-1557,mrna_for_net_transcription_factor_

Metagene 249

- 30 m15780cds_13-
304,dna/endogenouspapillomavirus_type(hpv)_dna,_right_flank_and_viral_host_junction/gb=
m22092exon_6-42,neural_cell_adhesion_molecule_(n-
cam)_gene,_exon_sec_and_partial_cds/gb=m22092/_ntyp
- 35 u18004_31-205,_hsu18004cdna_

Metagene 432

- ac002115_66940-67151:in_ac002115cds#2_675-
 1000,cox6b_gene_(coxg)_extracted_fromdna_from_overlapping
 hg371-ht26388_s_at_hg371-ht26388_mucin_1_epithelial_altsplice_9
 j05252_1611-2178,kex2-like_endoprotease_mrna_complete_cds.
- 5** j05556mrna_1640-2198,collagenase_mrna_complete_cds_
 all_m18255_18-408:in_m18255cds_47,prkacb_gene_(protein_kinase_c-beta-
 2)_extracted_fromprotein_kinas
 m60614_1996-2060,wilms_tumor_(wit-1)_associated_protein_mrna_complete_cds_
 s75213_1727-2087,type-iva_cyclic_amp_specific_phosphodiesterase_hpdc4a_[human,t-
 cells_mrna_partia
- 10** u00954_738-1224,clone_ce29_7.2_(cac)n/(gtg)n_repeat-containing_mrna
 u38904_1210-1744,zinc_finger_protein_c2h2-25_mrna_complete_cds
 u45976_1748-
 2210,clathrin_assembly_protein_lymphoid_myeloid_leukemia_(calm)_mrna_complete_cds_
 u52682_4755-
- 15** 5241,lymphocyte_specific_interferon_regulatory_factor/interferon_regulatory_factor(lsirf
 u58096_798-1056,testis-specific_protein_(tspy)_mrna_complete_cds
 u65406mrna#1_1860-2370,kcnj1_gene_(potassium_channel_rom-
 k3)_extracted_fromalternatively_spliced_po
- 20** u71203_339-753,rit_mrna_complete_cds
 u89336exon#13_173-
 695,unknown_gene_extracted_fromhla_iii_region_containing_notch4_gene_partial_seq
 all_x16660_1795-2049,open_reading_frame_p25_(aa_1-223)_gene_extracted_fromhltv-
 i_related_endogenous
- 25** x71877cds_587-767:in_reversesequence_783-1089,mrna_for_chymotrypsin-like_protease_ctrl-1
 all_x89894_2017-2486,mrna_for_nuclear_receptor_
 x93498mrna_589-1117,mrna_for_21-glutamic_acid-rich_protein_(21-garp)_
 x93512cds_61-157:in_reversesequence_175-211,mrna_for_telomeric_dna_binding_protein_(orf2)
 y00067mrna_2655-3207,gene_for_neurofilament_subunit_m_(nf-m)
- 30** y10262cds_1163-1693,eya3_gene/gb=y10262_/ntype=dna_/annot=cds
- Metagene 453
- d16481_1438-1942,mrna_for_mitochondrial_3-ketoacyl-coa_thiolase_beta-
 subunit_of_trifunctional_protei
- 35** d50914_1543-2077,mrna_for_kiaa0124_gene_partial_cds_
 d82060_1801-
 2215,kidney_mrna_for_putative_membrane_protein_with_histidine_rich_charge_clusters_comp
 d83778_4662-5154,mrna_for_kiaa0194_gene_partial_cds_

- d87443_5442-5988,mrna_for_kiaa0254_gene,_complete_cds
hg1400-ht1400_s_at_hg1400-ht1400_carboxyl_methyltransferase,_aspartate,_altsplice_1
hg2463-ht2559_at_hg2463-ht2559_guanine_nucleotide-binding_protein_g25k_
l06845_1728-2268,cysteinyl-trna_synthetase_mrna,_partial_cds_
5 l13278_1231-1753,zeta-crystallin/quinone_reductase_mrna,_complete_cds_
l13773_8844-9252,af-4_mrna,_complete_cds_
l21954exon_36-384:not_in_gb_record,peripheral_benzodiazepine_receptor_gene
l25085_103-361,sec61-complex_beta-subunit_mrna,_complete_cds_
l38961_1919-2429,putative_transmembrane_protein_precursor_(b5)_mrna,_complete_cds
10 l42572mrna_2192-2648,p87/89_gene,_complete_cds
m14200mrna_139-469,diazepam_binding_inhibitor_(dbi)_mrna,_complete_cds
m24400mrna_282-840,chymotrypsinogen_mrna,_complete_cds_
m31899_2318-2708,dna_repair_helicase_(ercc3)_mrna,_complete_cds
m64992_741-1185,prosomeal_protein_p30-33k_(pros-30)_mrna,_complete_cds
15 m65131mrna_2187-2709,methylmalonyl-coa_mutase_(mcm)_mrna,_complete_cds
m73547_2649-3153,polyposis_locus_(dpl_gene)_mrna,_complete_cds_
m83233_3488-3974,transcription_factor_(htf4a)_mrna,_complete_cds
s74728_1245-1773,_antiquitin=26g_turgor_protein_homolog_[human,_kidney,_mrna,_1809_nt]
s78569_5723-6161,_laminin_alpha_hchain_[human,_fetal_lung,_mrna,_6204_nt]
20 u10117mrna_474-954,endothelial-monocyte_activating_polypeptide_ii_mrna,_complete_cds_
u10439_5983-6529,double-stranded_rna_adenosine_deaminase_mrna,_complete_cds
u12535_3273-
3783,epidermal_growth_factor_receptor_kinase_substrate_(eps8)_mrna,_complete_cds_
u14193_135-687,tfia_gamma_subunit_mrna,_complete_cds
25 u15009_25-541,snrnp_core_protein_sm_d3_mrna,_complete_cds
u26312_166-686,heterochromatin_protein_hplhs-gamma_mrna,_complete_cds
u28686_973-1486,putative_rna_binding_protein_rnpl_mrna,_complete_cds_
u41654_1159-1525,adenovirus_protein_e3-14.7k_interacting_protein(fip-1)_mrna,_complete_cds
u41740_7119-7635,trans-golgi_p230_mrna,_complete_cds_
30 u43899_2320-2740,signal_transducing_adaptor_molecule_stam_mrna,_complete_cds_
u50523_858-1344,brca2_region,_mrna_sequence_cg037
u50950_1546-2074,infant_brain_unknown_product_mrna,_complete_cds_
u57099_666-1158,apeg-1_mrna,_complete_cds
u67319_2133-2529,lice2_beta_cysteine_protease_mrna,_complete_cds.
35 u69645_551-1037,zinc_finger_protein_mrna,_complete_cds_
u70987_1308-1830,gap_binding_protein_p62dok_(dok)_mrna,_complete_cds_
u93237mrna#1_2162-
2738,_men1_gene_(menin)_extracted_frommenin_(men1)_gene,_complete_cds.
all_x12791_311-870,mrna_for_19kd_protein_of_signal_recognition_particle_(srp)

- x52151cds_1148-1394:in_reversesequence, 1884-1980,arylsulphatase_a_mrna,_complete_cds
x52730mrna#1_455-911,_phenylethanolamine_n-
methyltransferase_gene_extracted_fromgene_for_phenylethan
x54326cds_4149-4299:in_reversesequence, 4363-4507,mrna_for_glutaminyl-trna_synthetase_
- 5 all_x63469_962-1467,mrna_for_transcription_factor_tfiie_beta_
all_x65644_8589-9100,mrna_mbp-2_for_mhc_binding_protein_2
x75535exon#8_2216-2768,mrna_for_pxf_protein
all_x75962_913-1340,mrna_for_ox40_homologue
all_x77548_2835-3418,_hsapiens_cdna_for_rfg_
- 10 all_x84195_230-723,mrna_for_acylphosphatase,_muscle_type_(mt)_isoenzyme
x99296exon#1_28-
223,_rd_fromrd_gene_(5'_partial)_and_g11a_gene_(5'_partial)/gb=x99296_/ntype=dna_/an
all_y00264_2984-3321,mrna_for_amyloid_a4_precursor_of_alzheimer_disease
all_z22551_4012-4595,kinectin_gene_
- 15 z46973cds_2460-2634:in_reversesequence, 2711-2891,mrna_for_phosphatidylinositol_3-kinase
z97074_852-1176,mrna_for_rab9_effector_p40,_complete_cds
- Metagene 415
- 20 d83657exon#1-3_13-167:in_reversesequence, 2025:not_in_gb_record,dna_for_caaf1_(calcium-
binding_prote
hg4740-ht5187_at_hg4740-ht5187_transcription_factor_eb_
m64925_1400-1940,palmitoylated_erythrocyte_membrane_protein_(mpp1)_mrna,_complete_cds
u18088_1188-1742,3',5' -
- 25 cyclic_amp_phosphodiesterase_inactive_splice_variant_hspde4a8a_mrna,_comple
u22377_5634-6168,zn-15_related_zinc_finger_protein_(rlf)_mrna,_complete_cds
u41766_3235-3653,metalloprotease/disintegrin/cysteine-
rich_protein_precursor_(mdc9)_mrna,_complete_c
u43185_3667-4243,signal_transducer_and_activator_of_transcription_stat5a_mrna,_complete_cds
- 30 u53476_841-1351,proto-oncogene_wnt7a_mrna,_complete_cds
v00536mrna_811-1135,_ifng_gene_extracted_fromimmune_interferon_(ifn-gamma)_gene_
y00282cds_1657-1849:in_reversesequence, 2341-2383,mrna_for_ribophorin_ii
- Metagene 257
- 35 ac002115cds#4_474-750:in_reversesequence, 100047-
100269,_cox6b_gene_(coxg)_extracted_fromdna_from_ov
af001620_1478-2000,trabecular_meshwork-
induced_glucocorticoid_response_protein_(tigr)_mrna,_complete

- hg4185-ht4455_at_hg4185-ht4455_estrogen_sulfotransferase,_ste
hg537-ht537_at_hg537-ht537_collagen,_type_viii,_alpha_2
119183mrna_1533-1959,mac30_mrna,_3'_end
127584cds_1093-1400:in_reversesequence,_1464-
- 5** 1677,ca_channel_b3_subunit_(cal_bet_3)_mrna,_complete_c
139009mrna_109-
475,iv_alcohol_dehydrogenase(adh7)_gene,_5'_flanking_region/gb=l39009_/ntype=dna_/ann
m10058mrna_706-1252,asialoglycoprotein_receptor_h1_mrna,_complete_cds
m18700cds_288-784,elastase_iii_a_gene,_exon_8
- 10** m24122mrna_309-774,myosin_alkali_light_chain_(ventricular)_mrna,_complete_cds
m26679exon#2_505-925,homeobox_protein_(hox-1.3)_gene,_complete_cds
m73047_4025-4565,tripectidyl_peptidase_ii_mrna,_complete_cds
s67156_876-1368,_asp=aspartoacylase_[human,_kidney,_mrna,_1435_nt]
u07225_1430-1958,p2u_nucleotide_receptor_mrna,_complete_cds
- 15** u18288_2804-3314,clone_ciita-10_mhc_ii_transactivator_ciita_mrna,_complete_cds_
u19878_1137-1647,transmembrane_protein_mrna,_complete_cds
x52479cds_1689-1995:in_reversesequence,_2040-
2202,pkc_alpha_mrna_for_protein_kinase_c_alpha_
x99802_1983-2463,mrna_for_zyg_homologue
- 20** z33642mrna_2763-3291,v7_mrna_for_leukocyte_surface_protein_

Metagene 321
- all_d13315_1488-1975,mrna_for_lactoyl_glutathione_lyase
- 25** d14812_1345-1747,mrna_for_kiaa0026_gene,_complete_cds
d16469_2264-2738,mrna_for_orf_xq_terminal_portion_
d23662_61-565,mrna_for_ubiquitin-like_protein,_complete_cds
d30756_4053-4611,mrna_for_kiaa0049_gene,_complete_cds
d31767_1338-1812,mrna_for_kiaa0058_gene,_complete_cds
- 30** d50495mrna_493-1033,mrna_for_transcription_elongation_factor_s-ii,_hs-ii-t1,_complete_cds
d86985_5502-5946,mrna_for_kiaa0232_gene,_complete_cds
d87438_3322-3808,mrna_for_kiaa0251_gene,_partial_cds_
hg1595-ht4788_s_at_hg1595-ht4788_heterogeneous_nuclear_ribonucleoprotein_i,_altsplice_2,_ptb-
1_
- 35** hg4683-ht5108_s_at_hg4683-ht5108_tumor_necrosis_factor_receptorassociated_protein_trap3_
hg998-ht998_s_at_hg998-ht998_sulfotransferase,_phenol-preferring_
j03805_926-1491,phosphatase_2a_mrna,_partial_cds_
l19686mrna_61-493,macrophage_migration_inhibitory_factor_(mif)_gene,_complete_cds
l36151_2433-2907,phosphatidylinositol_4-kinase_mrna,_complete_cds_

- l38810mrna_706-1246,thyroid_receptor_interactor_(trip1)_mrna,_complete_cds
 l40391mrna_889-1435,(clone_s153)_mrna_fragment
 l43964_1671-2211,(clone_f-t03796)_stm-2_mrna,_complete_cds
 l77213mrna_479-959,phosphomevalonate_kinase_mrna,_complete_cds
- 5** m34175mrna_5100-5670,beta_adaptin_mrna,_complete_cds_
 m62762_681-1083,vacuolar_h+_atpase_proton_channel_subunit_mrna,_complete_cds_
 m63959_1030-1444,alpha-2-macroglobulin_receptor-associated_protein_mrna,_complete_cds
 m69023_524-1088,globin_gene
 m98343_2695-3163,amplaxin_(ems1)_mrna,_complete_cds_
- 10** u02556_1579-2101,rp3_mrna,_complete_cds
 u17969exon#6_165-663,initiation_factor_eif-5a_gene,_complete_cds_
 u19796_406-760,melanoma_antigen_p15_mrna,_complete_cds_
 u22897_1798-2338,nuclear_domainprotein_(ndp52)_mrna,_complete_cds_
 u25435_3227-3737,transcriptional_repressor_(ctcf)_mrna,_complete_cds_
- 15** u31930_411-963,deoxyuridine_nucleotidohydrolase_mrna,_complete_cds_
 u36341mrna#1_3376-
 3862,_slc6a8_gene_(creatine_transporter)_extracted_fromxq28_cosmid,_creatine_trans
 u49869mrna_785-887,ubiquitin_gene,_complete_cds_
 u64444_633-1113,ubiquitin_fusion-degradation_protein_(ufd1l)_mrna,_complete_cds
- 20** u72342mrna_5025-
 5499,platelet_activating_factor_acetylhydrolase,_brain_isoform,_45_kda_subunit_(lis1
 u78095_942-1434,placental_bikunin_mrna,_complete_cds_
 u80017mrna#2_5760-
 6039,_btf2p44_gene_(basic_transcription_factorp44)_extracted_frombasic_transcripti
- 25** u81556_1541-1925,hypothetical_protein_a4_mrna,_complete_cds
 all_x04526_2577-2968,liver_mrna_for_beta-subunit_signal_transducing_proteins_gs/gi_(beta-g)
 x13546mrna_657-1137,_puhmg-17_protein_gene_extracted_fromhmg-17_gene_for_non-
 histone_chromosomal_pr
 x15341cds_13-235:in_reversesequence,_374-500,cox_via-1_mrna_for_cytochrome_c_oxidase_liver-
 specific_
- 30** all_x55330_1609-2120,mrna_for_aspartylglucosaminidase
 x56681mrna_1311-1835,jund_mrna_
 all_x64330_3792-4243,mrna_for_atp-citrate_lyase
 all_x64364_1014-1561,mrna_for_m6_antigen_
- 35** all_x75593_679-1202,mrna_for_rab_13
 x82103cds_660-840:in_reversesequence,_954-1128,mrna_for_beta-cop
 all_x84709_1088-1683,mrna_for_mediator_of_receptor-induced_toxicity
 z35093cds_674-842:in_reversesequence,_898-976,mrna_for_surf-1_

Metagene 473

j00219cds_110-467:in_reversesequence,_4721-4823,immune_interferon_(ifn-gamma)_gene,_complete_cds

5 s78873_291-

835,_mss4=zn2+_binding_protein/guanine_nucleotide_exchange_factor_[human,_brain,_mrna_parallel_s83366_910-

2840,_region_centromeric_to_t(12;17)_breakpoint:_orf1/unknown_43_amino_acid_transcript_y10515mrna_79-307,mrna_for_cd58_t7_protein/gb=y10515/_ntype=rna

10 z83800_115-505,mrna_for_cytoplasmic_dynein_heavy_chain_(partial,_id_hdhc11)

Metagene 470

d49677_905-1445,u2af1-rs2_mrna,_complete_cds_

15 hg2797-ht2905_s_at_hg2797-ht2905_clathrin,_light_polypeptide_altsplice_1

l22548_2914-3334,collagen_type_xviii_alpha(col18a1)_mrna,_partial_cds_

l27624_373-917,tissue_factor_pathway_inhibitor-2_mrna,_complete_cds_

m57710_355-865,ige-binding_protein_(epsilon-bp)_mrna,_complete_cds_

s54005_2-197,_thymosin_beta-10_[human,_metastatic_melanoma_cell_line,_mrna,_453_nt]_

20 s75295_2339-

2915,_nucleoprotein_interactor_1=srp1_homolog_[human,_cervical_carcinoma_hela_cells,_mrna_s81578_13-271,_dioxin-

responsive_gene_{putative_polyadenylation_signal_region}_[human,_hepatoma_g2_c

u09410_1481-2003,zinc_finger_protein_znf131_mrna,_partial_cds

25 u26648_936-1482,syntaxinmrna,_complete_cds

u46025cds_2254-2710:in_reversesequence,_2777-2843,translation_initiation_factor_eif-3_p110_subunit_g

all_x57348_844-1377,mrna_(clone_9112)

all_x66087_3046-3563,a-myb_mrna

30 all_x69433_1312-1733,mrna_for_mitochondrial_isocitrate_dehydrogenase_(nadp+)_

x70476mrna_2526-3024,subunit_of_coatomer_complex_

x98507cds_2790-3018:in_reversesequence,_3131-3293,mrna_for_myosin-i_beta

y08136cds_292-496:in_reversesequence,_520-820,mrna_for_asm-like_phosphodiesterase_3a

35 Metagene 462

d88155cds_1025-1357:in_reversesequence,_439-576,dna_for_ad4bp_(sf-1)_gene_

hg3925-ht4195_at_hg3925-ht4195_surfactant_protein_sp-a2_delta_

- j02960cds#1_394-729:in_reversesequence,_1015-
 1252,_unknown_protein_gene_extracted_frombeta-2-adrener
 178833exon#24_1038-
 1476,_brca1_gene_extracted_frombrca1_rho7_and_vati_genes,_complete_cds,_and_ipf3
- 5** m16937_806-1310,homeo_box_c1_protein,_mrna,_complete_cds_
 all_m21064_1360-1426,migration_inhibitory_factor-related_protein(mrp14)_gene,_complete_cds_
 m76558_7124-7592,neuronal_dhp-sensitive,_voltage-dependent,_calcium_channel_alpha-
 1d_subunit_mrna,_c
 u18548exon_620-1046,gpr12_g_protein_coupled-receptor_gene,_complete_cds
- 10** u29195exon_927-1443,neuronal_pentraxin_ii_(nptx2)_gene_
 u32324_1353-1671,interleukin-11_receptor_alpha_chain_mrna,_complete_cds
 u92027_524-1028,clone_61501_defective_mariner_transposon_hsmar2_mrna_sequence
 all_x15218_3012-3511,ski_oncogene_mrna_
 x51954exon_10-148,ucp_gene_for_uncoupling_protein_exon/gb=x51954_/ntype=dna_/annot=exon_
- 15** x52282cds_1092-1597,mrna_for_atrial_natriuretic_peptide_clearance_receptor_(anp-c_receptor)
 all_x96698_662-1245,mrna_for_d1075-like_gene_
 y09615cds_891-1131:in_reversesequence,_1268-
 1472,mrna_for_mitochondrial_transcription_termination_fa
 y13618_7553-7895,mrna_for_dffry_protein,_abundant_transcript
- 20** z73677mrna_91-137,gene_encoding_plakophilin_1b.
- Metagene 445
- ab002314_6334-6898,mrna_for_kiaa0316_gene,_complete_cds/gb=ab002314_/ntype=rna_
25 hg2600-ht2696_at_hg2600-ht2696_guanine_nucleotide-binding_protein_rap2b,_ras-
 oncogene_related
 hg2602-ht2698_at_hg2602-ht2698_succinate_dehydrogenase,_flavoprotein_subunit_
 l27586_1755-2205,tr4_orphan_receptor_mrna,_complete_cds
 all_m24748_1170-1531,_thral_gene_(thyroid_receptor_alpha-
30 1)_extracted_fromthyroid_hormone_receptor_a
 u45983cds_789-1005:in_reversesequence,_1304-1496,g_protein-coupled_receptor_gpr-
 cy6_gene,_complete_c
 u49187_1780-2206,placenta_(diff48)_mrna,_complete_cds
 u66464_2131-2701,hematopoietic_progenitor_kinase_(hpk1)_mrna,_complete_cds_
35 u70321_1127-1643,herpesvirus_entry_mediator_mrna,_complete_cds_
 x66360cds_1134-1518:in_reversesequence,_1629-1689,mrna_pctaire-
 2_for_serine/threonine_protein_kinase
 all_x90840_6383-6942,mrna_for_axonal_transporter_of_synaptic_vesicles
 all_z80777_449-807,h2a/k_gene

Metagene 442

- hg2075-ht2137_s_at_hg2075-ht2137_camp-responsive_element_modulator,_altsplice_1
5 m30135cds_139-361:in_reversesequence,_4255-4303,p40_t-
 cell_and_mast_cell_growth_factor_(hp40)_gene,_
 u13680_767-1160,lactate_dehydrogenase-c_(ldh-c)_mrna,_complete_cds_
 u66033_1937-2495,glypican-5_(gpc5)_mrna,_complete_cds_
 all_x51420_2264-2781,mrna_for_tyrosinase-related_protein_
10 x58298cds_824-1371:in_reversesequence,_1441,mrna_for_interleukin-6-receptor_

Metagene 425

- ab000410mrna_947-1442,hogg1_mrna,_complete_cds_
15 d13118_61-523:in_reversesequence,_529,mrna_for_atp_synthase_subunit_c_encoded_by_p1_gene
 d16611_1726-2299,mrna_for_coproporphyrinogen_oxidase,_complete_cds_
 d85418_875-1403,mrna_for_phosphatidylinositol-glycan-class_c_(pig-c),_complete_cds_
 d86519_1368-1932,mrna_for_neuropeptide_y/peptide_yy_y6_receptor,_complete_cds_
 d87845_1946-2216,mrna_for_platelet-activating_factor_acetylhydrolase_2,_complete_cds_
20 hg3491-ht3685_at_hg3491-ht3685_zinc_finger_protein_zfp-36
 j03925_4110-4656,mac-1_gene_encoding_complement_receptor_type_3,_cd11b,_complete_cds_
 j04970_1397-1715,carboxypeptidase_m,_3' end
 114595_1801-2077,alanine/serine/cysteine/threonine_transporter_(asct1)_mrna,_complete_cds_
 l34657mrna_2757-3219,platelet/endothelial_cell_adhesion_molecule-1_(pecam-1)_gene_
25 m28212_175-691,gtp-binding_protein_(rab6)_mrna,_complete_cds
 m55543mrna_1356-1872,guanylate_binding_protein_isoform_ii_(gbp-2)_mrna,_complete_cds_
 m55683_2732-3242,carilage_matrix_protein_(cmp)_mrna,_exons_8-mar
 m62424_2868-3117,thrombin_receptor_mrna,_complete_cds
 m63154_977-1541,intrinsic_factor_mrna,_complete_cds
30 m95809_1310-1850,basic_transcription_factor_62kd_subunit_(btf2),_complete_cds
 s83249_19-349,_ng-
 tra=transporter_protein/putative_hormone_extrusion_pump_[human,_liver_and_various_
 u03270_626-1136,centrin_mrna,_complete_cds_
 u20938_3946-4348,lymphocyte_dihydropyrimidine_dehydrogenase_mrna,_complete_cds.
35 u40992_839-1175,heat_shock_protein_hsp40_homolog_mrna,_complete_cds
 u68133_4-133,scc-
 s4_mrna_expressed_in_primary_and_relatively_radiosensitive_squamous_cell_carcinoma,
 u88667_6771-7251,atp_binding_cassette_transporter_(abcr)_mrna,_complete_cds
 all_x00088_334-787,histone_h2b_gene

all_x67081_578-810,histone_h4_gene_
 x69089_4333-4849,mrna_for_skeletal_muscle_165kd_protein
 x89101exon#3_8-96:in_reversesequence,_183-188,mrna_for_fas_(apo-
 1,_cd95)/gb=x89101/_ntype=rna_

- 5 x90530cds_632-1100:in_reversesequence,_1548-1554,mrna_for_ragb_protein
 z68747cds_656-1106:in_reversesequence,_1177,mrna_for_imogen_38
 z69915mrna_31-244,mrna_(clone_icrfp50711876).

Metagene 389

10

j05125_1038-1422,triglyceride_lipase_mrna,_complete_cds
 m68840_1558-1924,monoamine_oxidase_a_(maoa)_mrna,_complete_cds_
 u85707_1922-2426,leukemogenic_homolog_protein_(meis1)_mrna,_complete_cds_
 u90916_1309-1825,clone_23815_mrna_sequence_

15

Metagene 363

hg1496-ht1496_s_at_hg1496-ht1496_adrenal-specific_protein_pg2
 s73205_2183-

- 20 2573,_insulin_activator_factor_[human,_pancreatic_insulinoma,_mrna_partial,_2622_nt]/gb=
 u00930_2705-3191,clone_c4e_1.63_(cac)n/(gtg)n_repeat-containing_mrna_
 x59131_2735-3119:not_in_gb_record,d13s106_mrna_for_a_highly_charged_amino_acid_sequene

Metagene 350

25

d14497_2222-2726,mrna_for_proto-oncogene_protein,_complete_cds_
 d64015_1126-1222,mrna_for_t-cluster_binding_protein,_complete_cds/gb=d64015/_ntype=rna
 l00352exon_1952-2492,low_density_lipoprotein_receptor_gene_
 l07493_193-631,replication_protein_a_14kda_subunit_(rpa)_mrna,_complete_cds_
 30 u20980_1596-2118,chromatin_assembly_factor-i_p60_subunit_mrna,_complete_cds
 u34962_1074-1560,transcription_factor_hcsx_(hcsx)_mrna,_complete_cds_
 u46571_1183-1687,tetratricopeptide_repeat_protein_(tpr2)_mrna,_complete_cds
 x56088mrna_2240-2794,mrna_for_cholesterol_7-alpha-hydroxylase

35

Metagene 344

m57293mrna#1_4-289,parathyroid_hormone-
 related_peptide_(pthrp)_gene,_exons_1a,_1b,_1c,_and/gb=m57293
 m85276exon#2-5_5-92:in_reversesequence,_5295:not_in_gb_record,nkg5_gene,_complete_cds_

all_x69116_2-434,znf37a_gene_for_zinc_finger_protein_
z80345mrna_4931-5457,scad_gene,_5'_utr_exonand(and_joined_cds)

Metagene 315

5

d83018_2645-3149,mrna_for_nel-related_protein_2,_complete_cds
all_l31860_2084-2589,glycophorin_mn-types_(gypa)_mrna,_complete_cds_
m16961_937-1477,alpha-2-hs-glycoprotein_alpha_and_beta_chain_mrna,_complete_cds
all_u01317_19502-63478,_epsilon-
10 globin_gene_extracted_frombeta_globin_region_on_chromosome_11,_epsil
u01877_8517-8997,p300_protein_mrna,_complete_cds_

Metagene 314

- 15 104656_370-856,carbonic_anhydrase_related_protein_(carp)_mrna,_complete_cds_
149209exon_25-
92,retinoblastoma_susceptibility_protein_(rb1)_i66dbp_deletion_mutant_(resulting_in_pr
m84605_4280-4766,putative_opioid_receptor_mrna,_complete_cds_
u14747_410-944,visinin-like_peptidehomolog_mrna,_complete_cds_
20 u21556_709-1204,membrane_protein-like_protein_mrna,_partial_cds/gb=u21556_/ntype=rna_
u50929_1910-2330,betaine:homocysteine_methyltransferase_mrna,_complete_cds_
u83326cds_538-1010,cc_chemokine_receptor-5_(ccr5)_gene,_complete_cds.

Metagene 259

25

m57471exon_13-59,urate_oxidase_(uox)_gene,_exon/gb=m57471_/ntype=dna_/annot=exon_
m99439_1082-1385,transducin-like_enhancer_protein_(tle4)_mrna,_3'_end
u46024_2801-3377,myotubularin_(mtm1)_mrna,_partial_cds_
all_u57341_2-
30 129,neurofilament_triplet_1_protein_mrna,_partial_cds/gb=u57341_/ntype=rna,neurofilamen
u82468_1566-2091,tubby_related_protein(tulp1)_mrna,_complete_cds
x56741cds_85-595:in_reversesequence,_617,mrna_for_rab8_gene_
x74328mrna_1175-
1745,_cb2_(peripheral)_cannabinoid_receptor_gene_extracted_frommrna_for_cb2_(periphe

35

Metagene 232

all_d38024_2639-
3228,facioscapulohumeral_muscular_dystrophy_(fshd)_gene_region,_d4z4_tandem_repeat_u

hg2260-ht2349_s_at_hg2260-ht2349_duchenne_muscular_dystrophy_protein_(dmd)_
 hg4020-ht4290_s_at_hg4020-ht4290_transglutaminase
 m13994mrna_4482-5005,b-cell_leukemia/lymphoma(bcl-2)_proto-oncogene_mrna_encoding_bcl-2-
 alpha_protei

- 5 u27516_2109-2555,recombination_protein_rad52_mrna,_complete_cds
 u82970_2601-3009,metalloendopeptidase_homolog_(pex)_mrna,_complete_sequence
 x03168cds_926-1400:in_reversesequence,_1497-1509,mrna_for_s-protein_
 all_x89067_751-1136,mrna_for_trpc2_transcript_(possible_pseudogene)

10 Metagene 226

ab001325_967-1387,aqp3_gene_for_aquaporine(water_channel),_partail_cds
 all_d31784_3804-4249,mrna_for_cadherin-6_
 d42087_1034-1388,mrna_for_kiaa0118_gene,_partial_cds_
 15 d87436_5660-6116,mrna_for_kiaa0249_gene,_complete_cds
 all_l32866_67-452,effector_cell_protease_receptor-1_(epr-1)_gene,_partial_cds
 all_m17262_16806-
 26862:in_m17262cds_1666,prothrombin_(f2)_gene,_complete_cds,_and_alu_and_kpni_repea
 m26692exon#1_37-195,lymphocyte-

- 20 specific_protein_tyrosine_kinase_(lck)_gene,_exon_1,_and_downstream_p
 m30269_4417-4849,nidogen_mrna,_complete_cds
 s55606_718-1228,_betacellulin_[human,_mrna,_1271_nt]
 u02019_1958-2462,au-rich_element_rna-binding_protein_auf1_mrna,_complete_cds_
 u18934_4229-4311,receptor_tyrosine_kinase_(dtk)_mrna,_complete_cds_
 25 u58034cds_38-

224,myotubularin_related_protein(mtmr3)_gene,_partial_cds/gb=u58034_/ntype=rna_
 u79246_1346-1748,clone_23799_mrna_sequence_
 u79289_1287-1809,clone_23695_mrna_sequence_
 x71125utr#1_20-398:in_reversesequence,_985-1093,mrna_for_glutamine_cyclotransferase_
 30 all_x97261_25-333,mrna_for_metallothionein_isoform_1r,mrna_for_metallothionein_isoform_1r_
 x97674cds_4092-4326:in_reversesequence,_4536-
 4758,mrna_for_transcriptional_intermediary_factor_2

Metagene 188

35

d10537_1359-1876,mrna_for_major_structural_protein_of_myelin,_complete_cds_
 d26443_3282-3822,mrna_for_glutamate_transporter,_complete_cds
 d31897_1050-1548,mrna_for_doc2_(double_c2),_complete_cds_
 d38081_2769-2853,mrna_for_thromboxane_a2_receptor,_complete_cds

- d43767_43-505,mrna_for_chemokine,_complete_cds_
d50855_2772-3309,mrna_for_ca-sensing_receptor,_complete_cds_
d63940_153-656,mrna_for_mx11_protein,_complete_cds_
d80007_5240-5768,mrna_for_kiaa0185_gene,_partial_cds_
5 d82344_2434-2986,mrna_for_nbphox,_complete_cds_
d89501exon#3_206-441,pbi_gene,_complete_cds
hg3405-ht3586_at_hg3405-ht3586_zinc_finger_protein_hzf3
hg3495-ht3689_at_hg3495-ht3689_collagen,_type_ix,_alpha_1
hg358-ht358_at_hg358-ht358_homeotic_protein_7,_notch_group_
10 hg3921-ht4191_f_at_hg3921-ht4191_homeotic_protein_c6,_i
hg3962-ht4232_at_hg3962-ht4232_sialyltransferase,_stx
hg4069-ht4339_s_at_hg4069-ht4339_monocyte_chemotactic_protein_
hg4318-ht4588_s_at_hg4318-ht4588_lim-domain_transcription_factor_lim-1_
107738_717-1125,dhp-sensitive_calcium_channel_gamma_subunit_(cacnlg)_mrna,_complete_cds_
15 107765_1443-1923,carboxylesterase_mrna,_complete_cds_
110403_834-1254,dna_binding_protein_for_surfactant_protein_b_mrna,_complete_cds_
131881_929-1385,nuclear_factor_i-x_mrna,_complete_cds
138517mrna_766-1228,indian_hedgehog_protein_(ihh)_mrna,_5'_end
143338mrna_25-151,(clone_jj1a)_cadherin_mrna_fragment/gb=143338/_ntype=rna
20 143366mrna_13-157,(clone_jj1b)_cadherin_mrna_fragment/gb=143366/_ntype=rna
m15059mrna_1025-1487,fc-epsilon_receptor_(ige_receptor)_mrna,_complete_cds_(h107_epitope)
all_m19878_1799-
1946,calbindin_27_gene,_exonsand_2,_and_alu_repeat/gb=m19878/_ntype=dna/_annot=exon,
m20203cds_242-364,neutrophil_elastase_gene_
25 m55047_2637-3207,synaptotagmin_mrna,_complete_cds
m55067_754-1324,47-kd_autosomal_chronic_granulomatous_disease_protein_mrna,_complete_cds_
m59488mrna_536-1016,s100_protein_beta-subunit_gene_
all_m60752_611-863,histone_h2a.1_(h2a)_gene,_complete_cds
m64676mrna_1619-1892,k+_channel_subunit_gene,_complete_cds_
30 m80647_1317-1857,thromboxane_synthase_mrna,_complete_cds
m84371mrna_1318-1824,cd19_gene,_complete_cds
m85247mrna_141-
597,dopamine_d1a_receptor_gene,_complete_exon_1,_and_exon_2,_5'_end/gb=m85247/_ntype=
all_m86528_954-1357,neurotrophin-4_(nt-4)_gene,_complete_cds_
35 m97639_3533-4037,transmembrane_receptor_(ror2)_mrna,_complete_cds
m97675_2799-3309,transmembrane_receptor_(ror1)_mrna,_complete_cds
m97925mrna_121-409,defensingene,_complete_cds
s71824_2437-2881,_n-
cam=145_kda_neural_cell_adhesion_molecule_[human,_small_cell_lung_cancer_cell_li

- u05659_581-1049,17beta-hydroxysteroid_dehydrogenase_typemrna,_complete_cds
u06698_3269-3779,neuronal_kinesin_heavy_chain_mrna,_complete_cds_
u10485_1906-2326,lymphoid-restricted_membrane_protein_(jaw1)_mrna,_complete_cds
u11037_19-499,sel-1_like_mrna,_complete_cds
- 5 u11875_48-144,interleukin-
8_receptor_type_b_(il8rb)_mrna,_splice_variant_il8rb4,_partial_cds/gb=u118
all_u12471_1014-1255,_thrombospondin-p50_gene_extracted_fromthrombospondin-
1_gene,_partial_cds
u16861_1076-1610,inward_rectifying_potassium_channel_mrna,_complete_cds
- 10 u28131_88-283,hmgi-c_chimeric_transcript_mrna,_partial_cds.
u29700cds_1308-1644:in_reversesequence,_8352-8382,anti-
mullerian_hormone_type_ii_receptor_precursor_
u35340_442-868,beta_b1-crystallin_mrna,_complete_cds_
u38227_3-411,testis-specific_hexokinase(hhkl1-tb)_mrna,_partial_cds/gb=u38227/_ntype=rna_
15 u45982cds_759-1035:in_reversesequence,_1110-1338,g_protein-coupled_receptor_gpr-9-
6_gene,_complete_c
u49742cds_744-984:in_reversesequence,_5287-5473,rhodopsin_gene,_complete_cds
u50146mrna_39-543,typeneuropeptide_y_receptor_(npv_y2)_gene,_partial
u62433_2748-
- 20 3318,nicotinic_acetylcholine_receptor_alpha4_subunit_precursor,_mrna,_complete_cds_
u76366_4225-4720,treacher_collins_syndrome_(tcofl)_mrna,_complete_cds
u79303_939-1479,clone_23882_mrna,_complete_cds.
u83171_2313-2865,macrophage-derived_chemokine_precursor_(mdc)_mrna,_complete_cds_
x05323cds_426-792:not_in_gb_record,mrc_ox-2_gene_signal_sequence
- 25 x14830cds_1033-1423:in_reversesequence,_1547-
1571,mrna_for_muscle_acetylcholine_receptor_beta-subuni
x16666cds_422-841:in_reversesequence,_894-984,hox2i_mrna_from_the_hox2_locus
x64044cds_1066-1402:in_reversesequence,_1538-
1592,mmrna_for_large_subunit_of_splicing_factor_u2af_
30 x71135cds_1083-1308:in_reversesequence,_1752-1977,sox3_gene
x73113cds_2973-3339:in_reversesequence,_3430-3520,mrna_for_fast_mybp-c
all_x74496_1967-2520,mrna_for_prolyl_oligopeptidase
x76770mrna_1421-1931,pap_mrna
x78710mrna_2773-3247,mtf-1_mrna_for_metal-regulatory_transcription_factor
- 35 all_x79200_380-600,mrna_for_syt-
ssx,_synovial_sarcoma_translocation_junction/gb=x79200/_ntype=rna,mr
x83572_1392-1920,arsd_mrna_
all_x93921_942-1471,mrna_for_protein-tyrosine-phosphatase_(tissue_type:testis)
y09321cds_1961-2375:in_reversesequence,_2423-2501,tafii105_mrna,_partial

- y09392exon#4_364-884,mrna_for_wsl-lr,_wsl-s1_and_wsl-s2_proteins_
y10141cds_56-286,dat1_gene,_partial,_vnt/gb=y10141_/ntype=dna_/annot=cds
z47038cds_267-698,partial_cdna_sequence,_clone_x101,_putative_microtubule-
associated;_protein_1a_(ma
- 5** z48510exon#5-7_47-6:in_reversesequence,_471,xg_mrna_(clone_fb1)/gb=z48510_/ntype=ma
z68274cds_182-
632,dna_sequence_from_cosmid_1129h7,_huntington_disease_region,_chromosome_4p16.3_cont
- Metagene 182
- 10** d16626_2478-3006,mrna_for_histidase,_complete_cds
d84424_1603-2053,fetal_brain_mrna_for_hyaluronan_synthase,_complete_cds
hg2999-ht4756_s_at_hg2999-ht4756_thyroid_peroxidase,_altsplice_2_
l31529cds_1308-1578:in_reversesequence,_1945-2053,beta1-
- 15** syntrophin_(snt_b1)_gene,_complete_cds_
m81650mrna_1200-1566,semenogelin_i_(semgi)_gene,_complete_cds_
u46023_4040-4544,xq28_mrna,_complete_cds_
all_z48570_1408-1991,sp17_gene_
- 20** Metagene 181
- af000545cds_461-
983,putative_purinergic_receptor_p2y10_gene,_complete_cds/gb=af000545_/ntype=dna_/an
d79995_4440-4806,mrna_for_kiaa0173_gene,_complete_cds
- 25** hg2314-ht2410_at_hg2314-ht2410_4-beta-galactosyltransferase
hg2325-ht2421_at_hg2325-ht2421_retinoic_acid_receptor,_gamma_2_
j00212mrna_393-761,leukocyte_interferon_(ifn-alpha)_alpha-f_mrna,_complete_cds_
l40394mrna_1312-1750,(clone_s194)_mrna,_3'_end_of_cds_
l77566mrna_1103-1655,dgs-i_mrna,_3'_end_
- 30** m15517cds#3_155-419:in_reversesequence,_803-
923,_ttr_gene_extracted_frommutant_prealbumin_gene_direct
m55267mrna_573-1035,evl2_protein_gene
m77235_7902-8418,cardiac_tetrodotoxin-insensitive_voltage-
dependent_sodium_channel_alpha_subunit_(hh
- 35** m80899_3582-4002,novel_protein_ahnak_mrna,_partial_sequence
all_m81780_3896-
4359,_smpd1_gene_(acid_sphingomyelinase)_extracted_fromacid_sphingomyelinase_(smpd1)
m86934_1529-1973,gs1_(protein_of_unknown_function)_mrna,_complete_cds
m90820_1286-1742,rapamycin-binding_protein_(fkbp25)_mrna,_complete_cds_

- s77415cds_660-948:in_reversesequence,_1449-1617,_melanocortin-
4_receptor_[human_genomic,_1671_nt]
u01212cds_153-411:in_reversesequence,_1715-
1943,olfactory_marker_protein_omp_gene,_complete_cds_
- 5** u03187_1505-2015,il12_receptor_component_mrna,_complete_cds
u09607_3463-3730,jak_family_protein_tyrosine_kinase_jak3_mrna,_complete_cds
u11717_3500-3743,calcium_activated_potassium_channel_hslo_mrna,_complete_cds_
u12779_1685-1959,map_kinase_activated_protein_kinase_mrna,_complete_cds_
all_u13061_518-1020,dehydroepiandrosterone_sulfotransferase_std_gene
- 10** u20325exon#3_57-
477,cocaine_and_amphetamine_regulated_transcript_cart_hcart_gene,_complete_cds_
u27330_1474-
1933,alpha_1,3_fucosyltransferase_fut5_mrna,_minor_transcript_ii,_complete_cds_
u30185_1981-2485,orphan_opioid_receptor_mrna,_complete_cds_
- 15** u32331_1974-2526,rig_mrna,_complete_sequence_
u46901mrna#1_1088-1640,nacp_gene_
u48437_1855-2293,amyloid_precursor-like_protein_mrna,_complete_cds_
u57057cds_1239-1515:in_reversesequence,_1871-2069,wd_protein_irl0_mrna,_complete_cds_
u63312exon#1_4-199:not_in_gb_record,cosmid_ll12nc01-
- 20** 242e1_etv6_gene_exons_1b_andand_partial_cds/gb
u79266_972-1482,clone_23627_mrna,_complete_cds.
u79302_1414-1906,clone_23855_mrna,_partial_cds.
u80987_438-948,transcription_factor_tbx5_mrna,_complete_cds/gb=u80987/_ntype=rna_
u82759_406-571,homeodomain_protein_hoxa9_mrna,_complete_cds
- 25** all_x04201_619-1073,skeletal_muscle_1.3_kb_mrna_for_tropomyosin
x66364cds_454-814:in_reversesequence,_922,mrna_pssalre_for_serine/threonine_protein_kinase
all_x67734_4037-4470,mrna_for_transient_axonal_glycoprotein_tag-1
all_x69699_2155-2654,pax8_mrna_
all_x83378_4940-5523,mrna_for_putative_chloride_channel
- 30** Metagene 151
- ac002464cds_799-
1345,bac_clone_rg331p03,_complete_sequence/gb=ac002464/_ntype=dna/_annot=cds_
- 35** d87457_1568-2060,mrna_for_kiaa0281_gene,_complete_cds
hg4109-ht4379_at_hg4109-ht4379_olfactory_receptor_or17-30
u31215_3797-4037,metabotropic_glutamate_receptor_alpha_mglur1_alpha_mrna,_complete_cds_
x03473cds_270-552:in_reversesequence,_1054-1150,gene_for_histone_h1(0)

x06948cds_482-680:in_reversesequence,_918-1146,mrna_for_high_affinity_ige_receptor_alpha-subunit_(fc

all_z12173_1808-2361,gns_mrna_encoding_glucosamine-6-sulphatase

5 Metagene 124

all_x00038_599-718,h4_histone_gene_

Metagene 102

10

d25215_4320-4839,mrna_for_kiaa0032_gene,_complete_cds

d86974_5077-5308,mrna_for_kiaa0220_gene,_partial_cds_

hg3123-ht3299_at_hg3123-ht3299_homeotic_protein_gbx2_

l20861_3555-4089,proto-oncogene_(wnt-5a)_mrna,_complete_cds_

15

l29339mrna_1862-2324,na+/glucose_co-transporter_(splt1)_gene

m91083mrna_989-1469,dna-binding_protein_(hrc1)_mrna,_complete_cds

m96684_609-867,pur_(pur-alpha)_mrna,_complete_cds

s90469_1802-2300,_cytochrome_p450_reductase_[human,_placenta,_mrna_partial,_2403_nt]

u05237_2192-2570,fetal_alz-50-reactive_clone(fac1)_mrna,_complete_cds_

20

u13896_2487-3015,homolog_of_drosophila_discs_large_protein,_isoform(hdlg-2)_mrna,_complete_cds

u47054_853-1357,putative_mono-adt-ribosyltransferase_(htmart)_mrna,_complete_cds_

u50327mrna_1463-2020,protein_kinase_c_substrate_80k-h_gene_(prkcsh)

u66615_4601-5165,swi/snf_complex_155_kda_subunit_(baf155)_mrna,_complete_cds_

25

u79288_1035-1509,clone_23682_mrna_sequence_

all_x69878_3909-4372,flt4_mrna_for_transmembrane_tyrosine_kinase_

all_x83618_1574-1995,mrna_for_3-hydroxy-3-methylglutaryl_coenzyme_a_synthase_

x96506cds_96-441:in_reversesequence,_600-631,mrna_for_nc2_alpha_subunit_

30

Metagene 90

m16653mrna_652-742,pancreatic_elastase_iib_mrna,_complete_cds

s83513_1328-1840,_pituitary_adenylate_cyclase_activating_polypeptide_[human,_mrna,_1940_nt]

u08049exon_19-475,peripheral_myelin_protein-22_(pmp22)_gene,_non-

35

coding_exon_1a/gb=u08049_/ntype=dna

u24056_1237-1787,inward_rectifier_k+_channel_protein_(hirk2)_mrna,_complete_cds

u43885_1914-2442,grb2-associated_binder-1_mrna,_complete_cds_

z49105mrna_1064-1259,hd21_mrna_

Metagene 56

- ab000467_1590-2118, clone_res4-25, partial_cds
 d16181exon_1310-1712,pmp2_gene_for_peripheral_myelin_protein_2_
- 5 hg4165-ht4435_at_hg4165-ht4435_hpc-1_
 117328_1400-1868,pre-t/nk_cell_associated_protein_(3cl)_mrna,_complete_cds_
 122650_84-636,early_lymphoid_activation_protein_(epag)_mrna_sequence_
 m24902mrna_2694-3018,prostatic_acid_phosphatase_mrna,_complete_cds_
 m82882_3023-3503,cis-acting_sequence_
- 10 s76617_2203-2569, blk=protein_tyrosine_kinase_[human,_b_lymphocytes,_mrna,_2608_nt]_
 s78467_987-1384, pig-a-
 ii=glycoinositol_phospholipid_anchor_synthetic_element_[human,_paroxysmal_noc
 u20350_2697-3045,g_protein-coupled_receptor_v28_mrna,_complete_cds_
 u46194_1466-1997,renal_cell_carcinoma_antigen_rage-4_mrna,_complete_putative_cds_
 15 u66726_2378-
 2846,testis_specific_rna_binding_protein_(spgyla)_mrna,_complete_cds,testis_specific_rna
 u85265_7-
 63,down_syndrome_critical_region(dscr1)_gene,_alternative_exon/gb=u85265_/ntype=rna_

20 Metagene 35

- af012024_658-1175,integrin_cytoplasmic_domain_associated_protein_(icap-
 1b)_mrna,_complete_cds/gb=af0
 d23660_889-1369,mrna_for_ribosomal_protein,_complete_cds_
- 25 d31883_6153-6711,mrna_for_kiaa0059_gene,_complete_cds
 d78361_504-942,mrna_for_ornithine_decarboxylase_antizyme,_orfand_orf_2
 d86331_1281-1777,mt2-mmp_gene_for_matrix_metalloprotein,_complete_cds
 hg1103-ht1103_at_hg1103-ht1103_guanine_nucleotide-binding_protein_ral,_ras-oncogene_related
 hg180-ht180_at_hg180-ht180_ahnak-a_nucleoprotein_ahnak-a_
- 30 hg2873-ht3017_at_hg2873-ht3017_ribosomal_protein_l30_homolog_
 hg3362-ht3539_s_at_hg3362-ht3539_chromosomal-translocation_associated_gene_ltg19/enl_
 hg3395-ht3573_s_at_hg3395-ht3573_dnaj_homolog,_altsplice_form_2
 hg3549-ht3751_at_hg3549-ht3751_wilm_tumor-related_protein
 hg4319-ht4589_at_hg4319-ht4589_ribosomal_protein_l5
- 35 hg821-ht821_at_hg821-ht821_ribosomal_protein_s13_
 j03592_707-1085,adp/atp_translocase_mrna,_3'_end,_clone_phat8
 j04617cds_1069-1364;in_reversesequence,_3823-4030,elongation_factor_ef-1-
 alpha_gene,_complete_cds_
 104483_39-272,ribosomal_protein_s21_(rps21)_mrna,_complete_cds_

- 106499mrna_4-301,ribosomal_protein_l37a_(rpl37a)_mrna,_complete_cds_
 106505mrna_259-553,ribosomal_protein_l12_mrna,_complete_cds
 107868_4919-5429,receptor_tyrosine_kinase_(erbb4)_gene,_complete_cds
 111566_77-521,ribosomal_protein_l18_(rpl18)_mrna,_complete_cds
- 5** all_m10277_3236-3578,cytoplasmic_beta-actin_gene,_complete_cds_
 m17886mrna_7-475,acidic_ribosomal_phosphoprotein_p1_mrna,_complete_cds_
 m18000cds_78-360,ribosomal_protein_s17_gene,_complete_cds
 m19828exon#8_1305-1576:in_reversesequence,_14367-14518,apolipoprotein_b-100_(apob)_gene_
 m24194mrna_504-
- 10** 1023,mhc_protein_homologous_to_chicken_b_complex_protein_mrna,_complete_cds_
 all_m31520_25-
 590,ribosomal_protein_s24_mrna,ribosomal_protein_s24_mrna,ribosomal_protein_s24_mrna_
 m31520mrna_2-
 106,ribosomal_protein_s24_mrna,ribosomal_protein_s24_mrna,ribosomal_protein_s24_mrna_
 m36072_368-770,ribosomal_protein_l7a_(surf_3)_large_subunit_mrna,_complete_cds_
15 m55409_556-1069,pancreatic_tumor-related_protein_mrna,_3'_end
 m58603_3120-3600,nuclear_factor_kappa-b_dna_binding_subunit_(nf-kappa-
 b)_mrna,_complete_cds
 m60854_19-373,ribosomal_protein_s16_mrna,_complete_cds_
20 m64098_3873-4305,high_density_lipoprotein_binding_protein_(hbp)_mrna,_complete_cds_
 m64716mrna_31-451,ribosomal_protein_s25_mrna,_complete_cds_
 m81757_49-421,s19_ribosomal_protein_mrna,_complete_cds_
 s79522_19-481,_ubiquitin_carboxyl_extension_protein_[human,_mrna,_540_nt]_
 u07804_1857-2384,dna_topoisomerase_i_mrna,_partial_cds_
25 u07806_2865-3382,camptothecin_resistant_clone_cem/c2_dna_topoisomerase_i_mrna,_partial_cds_
 u09953_153-621,ribosomal_protein_l9_mrna,_complete_cds_
 u14968_133-451,ribosomal_protein_l27a_mrna,_complete_cds_
 u14969_43-451,ribosomal_protein_l28_mrna,_complete_cds_
 u14971_91-661,ribosomal_protein_s9_mrna,_complete_cds_
30 u14973_13-235,ribosomal_protein_s29_mrna,_complete_cds_
 u25789_19-481,ribosomal_protein_l21_mrna,_complete_cds_
 u49352_548-1106,liver_2,4-dienoyl-coa_reductase_mrna,_complete_cds_
 u49785_311-641,d-dopachrome_tautomerase_mrna,_complete_cds.
 u78027mrna#3_3-350,_1441_gene_(144-
35 like_ribosomal_protein)_extracted_frombruton_tyrosine_kinase_(btk
 u79273_851-1127,clone_23933_mrna_sequence
 u83461_1235-
 1619,putative_copper_uptake_protein_(hctr2)_mrna,_complete_cds/gb=u83461/_ntype=rna

- x01677cds_629-983:in_reversesequence,_1109-1229,liver_mrna_for_glyceraldehyde-3-phosphate_dehydrogen
- x03342cds_51-375:in_reversesequence,_439-445,mrna_for_ribosomal_protein_l32_
- x06617mrna_31-475,mrna_for_ribosomal_protein_s11_
- 5** x16064cds_147-483:in_reversesequence,_625-745,mrna_for_translationally_controlled_tumor_protein_
- x17206cds_111-585:in_reversesequence,_885,mrna_for_llrep3_
- x52966cds_11-299:in_reversesequence,_19-373,mrna_for_ribosomal_protein_l35a_
- x55715cds_228-618:in_reversesequence,_748-784,hums3_mrna_for_40s_ribosomal_protein_s3_
- 10** x56932cds_114-576:in_reversesequence,_611-623,mrna_for_23_kd_highly_basic_protein_
- x56997mrna#1_19-475:not_in_gb_record,uba52_gene_coding_for_ubiquitin-52_amino_acid_fusion_protein
- all_x64707_401-888,bbc1_mrna_
- x67247mrna_116-662,rps8_gene_for_ribosomal_protein_s8_
- 15** x69150mrna_25-403,_l06432mrna_for_ribosomal_protein_s18
- x79234cds_115-511,mrna_for_ribosomal_protein_l11_
- z26876_43-328,gene_for_ribosomal_protein_l38_
- z28407cds_220-703:in_reversesequence,_809-818,mrna_for_ribosomal_protein_l8_
- z49148cds_2-418:in_reversesequence,_18-589,mrna_for_ribosomal_protein_l29_
- 20** z69043cds_66-489:in_reversesequence,_30-598,mrna_translocon-associated_protein_delta_subunit_precurs
- all_z70759_4-251,mitochondrial_16s_rna_gene_(partial).
- Metagene 2
- 25** d13633_2141-2597,mrna_for_kiaa0008_gene,_complete_cds
- l19783_895-1351,gpi-h_mrna,_complete_cds_
- l33262_1751-2273,dna_repair_and_recombination_homologue_(rad52)_gene,_complete_cds
- m29927exon_229-703,ornithine_aminotransferase_gene_
- 30** u09087_2090-2543,thymopoietin_beta_mrna,_complete_cds
- u67611_788-
- l130:not_in_gb_record,_mouse_transaldolase_gene_mrna,_complete_cds/gb=u67611/_ntype=ma_u72936_9836-
- l0377,putative_dna_dependent_atpase_and_helicase_(atrx)_mrna,_alternatively_spliced_prod
- 35** all_x67491_839-1137,gene_for_glutamate_dehydrogenase_
- x99586cds_12-223:in_reversesequence,_329,mrna_for_smt3c_protein_
- z46629mrna_3352-3730,sox9_mrna
- Metagene 1

- 100137cds#1_6-234:in_reversesequence,_8-
 134:not_in_gb_record_ghrf_gene_(growth_hormone_releasing_fa
 m33478mrna_653-1049,33-kda_phototransducing_protein_mrna,_complete_cds_
- 5 all_m34344_114-364:in_m34344cds_3032-3069,platelet_glycoprotein_iib_(gpiib)_gene
 m62810_1350-1818,mitochondrial_transcription_factormrna,_complete_cds_
 m73239mrna_2114-2638,(clone_sf1)_hepatocyte_growth_factor_(hgf)_mrna,_complete_cds_
 m81758_7258-7798,skeletal_muscle_voltage-
 dependent_sodium_channel_alpha_subunit_(skm1)_mrna,_complet
- 10 all_u51561_10617-28244:in_u51561cds_50,cosmid_n79e2,_complete_sequence
 u75309_1813-2376,tbp-associated_factor_(htafii100)_mrna,_partial_cds_
 u95090mrna_2166-2418:in_fullsequence,_36716-
 36854,chromosomecosmid_f19541,_complete_sequence
 all_x13766_14-551,beta-casein_mrna_3'-terminal_fragment_
- 15 Metagene 434
- all_m26665_267-307,histatin(his2)_mrna,_complete_cds,histatin(his2)_mrna,_complete_cds
 m28130mrna_654-1002,interleukin(il8)_gene,_complete_cds
- 20 m33684cds_288-788,(clone_lambda-10-2)_non-receptor_tyrosine_phosphatase(ptpnl)_gene_
 u10492_1894-2266,mox1_protein_(mox1)_mrna,_complete_cds
 u18985_2460-2922,triadin_mrna,_complete_cds
 u48213mrna_1031-1601,d-site_binding_protein_gene,_promoter_region_and
- 25 Metagene 408
- d42039_3568-4074,mrna_for_kiaa0081_gene,_partial_cds_
 d55643_443-1019,spleen_pabl_(pseudoautosomal_boundary-
 like_sequence)_mrna,_clone_sp2/gb=d55643/_ntyp
- 30 hg3993-ht4263_at_hg3993-ht4263_cpg-enriched_dna,_clone_sl2_
 102785_2412-2790,colon_mucosa-associated_(dra)_mrna,_complete_cds_
 m28826_976-1252,thymocyte_antigen_cd1b_mrna,_complete_cds
- 35 Metagene 211
- ab006190_705-1179,mrna_for_aquaporin_6,_complete_cds/gb=ab006190/_ntype=rna_
 d13642_4248-4722,mrna_for_kiaa0017_gene,_complete_cds
 d31815_797-1295,mrna_for_smp-30_(senescence_marker_protein-30),_complete_cds_

- d31846exon#4_179-713, gene_for_aquaporin-2_water_channel_exon1-4_complete_cds_
d38305_701-1181, mrna_for_tob_complete_cds_
d63482_1722-2226, mrna_for_kiaa0148_gene_complete_cds
d82070_285-843, ac1_mrna_complete_cds
- 5 d85527_37-349, mrna_for_lim_domain_partial_cds/gb=d85527/_ntype=rna
d87460_2023-2503, mrna_for_kiaa0270_gene_partial_cds_
d87468_2496-2886, mrna_for_kiaa0278_gene_partial_cds_
hg1649-ht1652_at_hg1649-ht1652_elastase_
hg1800-ht1823_at_hg1800-ht1823_ribosomal_protein_s20_
- 10 hg2261-ht2352_at_hg2261-ht2352_antigen_prostate_specific_altsplice_form_3
hg2604-ht2700_at_hg2604-ht2700_pan-2_
hg3432-ht3618_at_hg3432-ht3618_fibroblast_growth_factor_receptor_k-sam_altsplice_1
hg3987-ht4257_at_hg3987-ht4257_cpg-enriched_dna_clone_e06_
hg4036-ht4306_at_hg4036-ht4306_retinoblastoma_
- 15 hg4051-ht4321_at_hg4051-ht4321_choline_acetyltransferase_
hg4662-ht5075_at_hg4662-
ht5075_omega_light_chain_immunoglobulin_lambda_light_chain_related
hg896-ht896_at_hg896-ht896_thrombospondin_
hg919-ht919_at_hg919-ht919_dna_polymerase_epsilon_catalytic_subunit
- 20 all_k03460_3-379, alpha-tubulin_isotype_h2-alpha_gene_last_exon
l20965_3164-3680, phosphodiesterase_mrna_complete_cds
l23852mrna_1122-1674,(clone_z146)_retinal_mrna_3'_end_and_repeat_region
l36720_661-1219, bystin_mrna_complete_cds_
l42621mrna_1775-2231, ly-9_mrna_complete_cds
- 25 l77561mrna_583-1093, dgs-d_mrna_3'_end
all_m13903_1676-2031, involucrin_mrna_
m27749_245-323, immunoglobulin-related_14.1_protein_mrna_complete_cds, immunoglobulin-related_14.1_pr
m30185mrna_1234-1666, cholesteryl_ester_transfer_protein_mrna_complete_cds_
- 30 m34079_830-1298, immunodeficiency_virus_tat_transactivator_binding_protein-1_(tbp-1)_mrna_complete_c
m34182mrna#1_1112-1517, testis-specific_protein_kinase_gamma-subunit_mrna_complete_cds_
s76992_2182-2710, vav2=vav_oncogene_homolog_[human_fetal_brain_mrna_partial_2753_nt]_
s78771_1149-1661, nat=cpg_island-associated_gene_[human_mrna_1741_nt]_
- 35 s81003_130-640, l-
ubc=ubiquitin_conjugating_enzyme_[human_odontogenic_keratocysts_mrna_partial_68
u01157_2506-2992, glucagon-like_peptide-
l_receptor_mrna_with_ca_dinucleotide_repeat_complete_cds_
u01922_405-921, btk_region_clone_fci-12_mrna

- u08336_368-872,basic_helix-loop-helix_transcription_factor_mrna,_complete_cds
u09210_1910-2396,vesicular_acetylcholine_transporter_mrna,_complete_cds
u20908cds_13-193,clone_350/2_melanoma_ubiquitous_mutated_protein_(mum-
1)_gene,_partial_cds/gb=u20908
- 5 u31903_2052-2510,creb-rp_(creb-rp)_mrna,_complete_cds
u34880_1699-2179,dph2l_mrna,_complete_cds
u37673_2848-3412,neuron-
specific_vesicle_coat_protein_and_cerebellar_degeneration_antigen_(beta-nap)
u39576_2486-2852,butyrophilin_precursor_mrna,_complete_cds_
- 10 u49089_2571-3075,neuroendocrine-dlg_(ne-dlg)_mrna,_complete_cds
u52696_703-742,adrenal_creb-rp_homolog_(creb-rp),_complete_cds,_and_tenascin-
x_(xb),_partial_cds,_mr
u59302_4047-4617,steroid_receptor_coactivator-1_f-src-1_mrna,_complete_cds_
u62317mrna#3_1056-
- 15 1488,_hypothetical_protein_384d8gene_extracted_from_chromosome_22q13_bac_clone_cit
u66059cds#21_49-283:in_reversesequence,_207121-207343,germline_t-
cell_receptor_beta_chain_dopamine-b
u73328_918-1314,dlx7_(dlx7)_mrna,_complete_cds_
u76764_2544-3054,cd97_mrna,_complete_cds_
- 20 u78521_655-1111,immunophilin_homolog_ara9_mrna,_complete_cds
u78678_191-683,thioredoxin_mrna,_nuclear_gene_encoding_mitochondrial_protein,_complete_cds_
u79258_861-1407,clone_23732_mrna,_partial_cds
u81001_2773-3039,snrpn_mrna,_3' utr,_partial_sequence
u90543_2445-
- 25 2739,butyrophilin_(btfl)_mrna,_complete_cds,butyrophilin_(btfl)_mrna,_complete_cds
u96629mrna#2_3194-
3722,_2a8.2_gene_(unknown_protein_cit987sk_2a8_1)_extracted_fromchromosomebac_clon
all_x14085_1251-1422,mrna_for_beta-1,4-galactosyltransferase_(ec_2.4.1.22)_
all_x62573_1608-2161,rna_for_fc_receptor,_tc9
- 30 all_x66785_2930-3511,mrna_for_transacylase_(dbt)_
all_x78817_2647-3236,partial_c1_mrna_
all_x83368_4789-5345,mrna_for_phosphatidylinositolkinase_gamma
x96401_1673-2186,mrna_for_rox_protein
x96924mrna_1184-1215,gene_encoding_mitochondrial_citrate_transport_protein
- 35 all_x99133_5342-5685:in_x99133cds_563-597:not_in_gb_record,ngal_gene_
z31560cds_475-923:in_reversesequence,_953,sox-2_mrna_(partial)

Metagene 145

- ab000450_1298-1730,mrna_for_vrk2,_complete_cds_
 ab000464_3281-3743,_clone_res4-24a,_exon_1,_2,_3,_4_
 ab001106_3542-4088,mrna_for_glia_maturation_factor,_complete_cds_
 d00723_642-
- 5** 1110,mrna_for_hydrogen_carrier_protein,_a_component_of_an_enzyme_complex,_glycine_synthas
 d11151exon_1936-2434,dna_for_endothelin-a_receptor,_5'_flanking_region_and_
 d12625_2036-2219,mrna_for_nfl_protein_isoform_(neurofibromin_isoform),_complete_cds
 d12676_1884-2220,mrna_for_lysosomal_sialoglycoprotein,_complete_cds
 d13635_4583-5117,mrna_for_kiaa0010_gene,_complete_cds
- 10** d13789_1594-2062,mrna_for_n-acetylglucosaminyltransferase_iii,_complete_cds
 d14662_1082-1592,mrna_for_kiaa0106_gene,_complete_cds
 d21163_3183-3693,mrna_for_kiaa0031_gene,_complete_cds
 d86549_609-969,mrna_for_p97_homologous_protein,_partial_cds
 d88532_3016-3328,mrna_for_p55pik,_complete_cds_
- 15** l04733_1785-2265,kinesin_light_chain_mrna,_complete_cds_
 l08488_1206-1644,inositol_polyphosphate_1-phosphatase_mrna,_complete_cds_
 l13434_2304-2850,chromosome_3p21.1_gene_sequence,_complete_cds_
 l22009_1642-2056,hnmp_h_mrna,_complete_cds
 l27476_3901-4429,x104_mrna,_complete_cds_
- 20** l38933mrna_883-
 l393,_the_longest_open_reading_frame_predicts_a_protein_of_202_amino_acids,_with_fair
 l41939mrna_3197-3731,(clone_fb_k_iii_11c)_protein-tyrosine_kinase_(drt)_mrna,_complete_cds_
 m37190mrna_1220-1796,ras_inhibitor_mrna,_3'_end
 all_m54968_5180-5775,k-ras_oncogene_protein_mrna,_complete_cds_
- 25** m64936_2808-3264,retinoic_acid-inducible_endogenous_retroviral_dna
 m91029exon#3_2581-2977,amp_deaminase_(ampd2)_mrna_
 s59049_786-1314,_bl34=b_cell_activation_gene_[human,_mrna,_1398_nt]_
 s73149mrna_293-827,_insulin-
 like_growth_factor_ii_{intron_7}_[human,_genomic,_1702_nt]/gb=s73149_/nt
- 30** u08023_3037-3529,cellular_proto-oncogene_(c-mer)_mrna,_complete_cds
 u08316_1719-2235,insulin-stimulated_protein_kinase(ispk-1)_mrna,_complete_cds_
 u15782_2237-2681,cleavage_stimulation_factor_77kda_subunit_mrna,_complete_cds
 u23028_1702-2236,eukaryotic_initiation_factor_2b-epsilon_mrna,_partial_cds_
 u39487_3877-4339,xanthine_dehydrogenase/oxidase_mrna,_complete_cds_
- 35** u85658_2310-2736,transcription_factor_erf-1_mrna,_complete_cds_
 x62083_3969-4029,mrna_for_drosophila_female_sterile_homeotic_(fsh)_homologue_
 all_x69962_4188-4308,fnr-1_mrna
 all_x82125_2007-2368,hok-2_mrna_for_zinc_finger_protein

Metagene 143

- d14663_785-1259,mrna_for_kiaa0107_gene,_complete_cds_
d38496_3615-4170,mrna_for_lztr-1,_complete_cds_
5 d42084_2112-2610,mrna_for_kiaa0094_gene,_partial_cds_
d49400_115-655,fetus_brain_mrna_for_vacuolar_atpase,_complete_cds
d84294mrna_8552-9020,mrna_for_tprdi,_complete_cds
d86988_4716-5220,mrna_for_kiaa0221_gene,_complete_cds
d87445_6334-6892,mrna_for_kiaa0256_gene,_complete_cds
10 hg1322-ht5143_s_at_hg1322-ht5143_small_nuclear_ribonucleoprotein,_polypeptide_altsplice_2_
hg3484-ht3678_s_at_hg3484-ht3678_protein_kinase
j04794mrna_567-1071,aldehyde_reductase_mrna,_complete_cds
l09209_3114-3666,amyloid_protein_homologue_mrna,_complete_cds_
l35249mrna_2225-2690,vacuolar_h+-atpase_mr_56,000_subunit_(ho57)_mrna,_complete_cds_
15 l49380mrna_2916-3414,clone_b4_transcription_factor_zfm1_mrna,_complete_cds
m14483mrna_41-443,_ptma_gene_extracted_fromprothymosin_alpha_mrna,_complete_cds_
m26708_549-1008,prothymosin_alpha_mrna_(prot-alpha),_complete_cds
m91432mrna_1664-2144,medium-chain_acyl-coa_dehydrogenase_(mcad)_gene_
u00115_3001-3451,zinc-finger_protein_(bcl-6)_mrna,_complete_cds
20 u09825_3156-3522,acid_finger_protein_mrna,_complete_cds
u22970mrna#1_205-749,_16-jun_gene_(interferon-
inducible_peptide_precursor)_extracted_frominterferon-
u26424_2237-2735,ste20-like_kinase_(mst2)_mrna,_complete_cds_
u45328_591-1079,ubiquitin-conjugating_enzyme_(ube2i)_mrna,_complete_cds
25 u60061_905-1325,fez2_mrna,_partial_cds_
u61397_875-1173,ubiquitin-homology_domain_protein_pic1_mrna,_complete_cds
u80017mrna#3_892-
1444,_btf2p44_gene_(basic_transcription_factorp44)_extracted_frombasic_transcriptio
u91930_4196-4682,ap-3_complex_delta_subunit_mrna,_complete_cds_
30 u91931_3081-3489,ap-3_complex_beta3a_subunit_mrna,_complete_cds
u91932_778-1210,ap-3_complex_sigma3a_subunit_mrna,_complete_cds
u92014_817-1366,clone_121711_defective_mariner_transposon_hsmar2_mrna_sequence_
all_x03484_2418-2947,mrna_for_raf_oncogene_
x60787mrna_2434-3000,mrna_for_transcription_factor_ilf_
35 all_x62534_726-1137,hmg-2_mrna_
all_x63692_4825-5348,mrna_for_dna_(cytosin-5)-methyltransferase
x65784cds_58-399,car_gene
all_x66899_1902-2323,ews_mrna
x69838cds_2756-2924;in_reversesequence,_3043-3331,mrna_for_g9a

- all_x69910_2339-2892,p63_mrna_for_transmembrane_protein
 all_x70394_2591-3156,ozf_mrna
 all_x72889_5441-5844,hbrm_mrna_
 all_x73478_2042-2637,hptpa_mrna
5 all_x79536_1005-1156,mrna_for_hnmpcore_protein_a1.
 all_x86691_5882-6399,mrna_for_218kd_mi-2_protein_
 all_x89750_1061-1512,mrna_for_tgif_protein_
 all_x95404_482-1047,mrna_for_non-muscle_type_cofilin_
 x95735_1628-2168,mrna_for_zyxin_2
10 all_x98743_2619-3112,mrna_for_rna_helicase_(myc-regulated_dead_box_protein)
 all_y00815_7107-7684,mrna_for_lca-homologlar_protein_(leukocyte_antigen_related)_
 all_y08614_3715-4118,mrna_for_crm1_protein_
 all_z24724_1263-1840,polya_site_dna
 z26491exon#5_388-430,gene_for_catechol_o-methyltransferase_
15 all_z29505_1140-1468,mrna_for_nucleic_acid_binding_protein_sub2.3

Metagene 108

- ab003102_956-1442,mrna_for_proteasome_subunit_p44.5,_complete_cds
20 d14659_648-1134,mrna_for_kiaa0103_gene,_complete_cds_
 d21260_5600-6002,mrna_for_kiaa0034_gene,_complete_cds
 d31885_1773-2169,mrna_for_kiaa0069_gene,_partial_cds_
 d38551_3082-3592,mrna_for_kiaa0078_gene,_complete_cds
 d38555_3911-4421,mrna_for_kiaa0079_gene,_complete_cds
25 d64142mrna_625-1177,mrna_for_histone_h1x,_complete_cds_
 d78129_568-
 1024,adult_(34_year_old)_male_liver_mrna_for_squalene_epoxidase,_partial_cds/gb=d78129_/n
 d85429exon#3_813-1347,dna_for_heat_shock_protein_40,_complete_cds
 d86972_4190-4610,mrna_for_kiaa0218_gene,_complete_cds
30 d87120_1936-2314,cancellous_bone_osteoblast_mrna_for_gs3786,_complete_cds
 hg2788-ht2896_at_hg2788-ht2896_calcyclin_
 hg2874-ht3018_at_hg2874-ht3018_ribosomal_protein_l39_homolog_
 l09604_339-819,differentiation-dependent_a4_protein_mrna,_complete_cds
 l19779_7-496,histone_h2a.2_mrna,_complete_cds_
35 l38928mrna_274-832,5,10-methenyltetrahydrofolate_synthetase_mrna,_complete_cds
 l42542mrna_3353-3803,rlip76_protein_mrna,_complete_cds_
 m31642mrna_802-1288,hypoxanthine_phosphoribosyltransferase_(hprt)_mrna,_complete_cds_
 m58460_1311-1490,75-kd_autoantigen_(pm-scl)_mrna,_complete_cds_
 all_m59830_2432-2661,mhc_iii_hsp70-2_gene_(hla),_complete_cds

- m60922_1971-2427,surface_antigen_mrna,_complete_cds
 all_m90516_2559-3058,glutamine:fructose-6-phosphate_amidotransferase_(gfat)_mrna,_complete_cds_
 u76992_2137-2533,tat-sf1_mrna,_complete_cds
- 5** x55079mrna_3257-3366:not_in_gb_record,_gaa_gene_extracted_fromlysosomal_alpha-glucosidase_gene_exon_
 x57985mrna#1_1652-
 2168,_gl105_gene_(histone_h2b)_extracted_fromgenes_for_histones_h2b.1_and_h2a_
 y07867cds_643-787:in_reversesequence,_1087-1237,mrna_for_pirin,_isolate_1_
- 10** Metagene 50
- d10667_2830-3307,mrna_for_smooth_muscle_myosin_heavy_chain_
 m72885mrna_207-750,_g0s2_gene_extracted_fromgos2_gene,_5'_flank_and_cds_
15 all_u22028_8029-
 8330,cytochrome_p450_(cyp2a13)_gene,_complete_cds,cytochrome_p450_(cyp2a13)_gene,_co
 u92459_2702-3194,metabotropic_glutamate_receptormrna,_complete_cds
- Metagene 18
- 20** u39231_1739-1979,gip_receptor_(gipr)_mrna,_complete_cds
 all_v00503_2330-2452,mrna_encoding_pro-alpha-2_chain_of_type_i_procollagen(major_part)_
 all_x79200_380-600,mrna_for_syt-
 ssx,_synovial_sarcoma_translocation_junction/gb=x79200_/ntype=rna,mr
- 25** Metagene 13
- all_d32001_61-294,husaalg_gene_for_serum_amyloid_a1_gamma,_exonand_intron_3_
 hg2059-ht2114_at_hg2059-ht2114_arrestin,_beta_2
- 30** hg2480-ht2576_at_hg2480-ht2576_fm1p-related_receptor_i_
 hg2809-ht2920_s_at_hg2809-ht2920_lung_surfactant_protein_d_
 hg3107-ht3283_s_at_hg3107-ht3283_plasma_membrane_calcium_pump_hpmca2a
 hg759-ht759_s_at_hg759-ht759_adrenergic_receptor,_beta_1_
 j05036mrna_1546-2119,cathepsin_e_mrna,_complete_cds
- 35** j05073cds_239-641,phosphoglycerate_mutase_(pgam-m)_gene,_complete_cds
 k02766_2028-2436,complement_component_c9_mrna,_complete_cds
 l29008_2014-2464,l-iditol-2_dehydrogenase_mrna,_complete_cds_
 l33477_3692-4142,(clone_8b1)_br-cadherin_mrna,_complete_cds
 l35592mrna#1_1633-2107,germline_mrna_sequence_

- 137112mrna_1710-1816,vasopressin_v3_receptor_mrna_complete_cds_
 140933cds_1218-1470:in_reversesequence,_1639-1819,phosphoglucomutase-
 related_protein_(pgmrp)_gene,_c
 all_m80333_1628-2079,m5_muscarinic_acetylcholine_receptor_gene_complete_cds_
5 m85217_2529-2955,k+_channel_protein_(hkl3)_mrna_complete_cds
 m89473_1394-1706,neurokininreceptor_(nk3r)_mrna_complete_cds_
 m96859_3150-3630,dipeptidyl_aminopeptidase_like_protein_mrna_complete_cds_
 u09609_2198-2708,p80ht_(p80ht/nkfb-2)_mrna_complete_cds_
 u13737_2046-2556,cysteine_protease_cpp32_isoform_alpha_mrna_complete_cds_
10 u14910_910-1360,rpe-retinal_g_protein-coupled_receptor_(rgr)_mrna_complete_cds
 u18671mrna_2702-3266,stat2_gene_complete_cds_
 u29615_1098-1530,chitotriosidase_precursor_mrna_complete_cds
 u31929cds_1063-1361:in_reversesequence,_6372-
 6576,orphan_nuclear_receptor_(dax1)_gene_complete_cds_
15 u63336_1666-2062,mhc_i_region_proline_rich_protein_mrna_complete_cds
 u65404_1140-1530,erythroid-specific_transcription_factor_eklf_mrna_complete_cds.
 u78180_3340-3880,sodium_channel(hbnac2)_mrna_alternatively_spliced_complete_cds_
 u85992_1236-1596,clone_image:35527_unknown_protein_mrna_partial_cds_
 all_u87408_1441-1952,clone_image:74593_unknown_protein_mrna_partial_cds_
20 v00535mrna#1_253-692,_interferon_betagene_extracted_from_gene_forfibroblast_interferon_beta_1
 all_x04729_2-263,mrna_for_plasminogen_activator_inhibitor_typen-
 terminus/gb=x04729/_ntype=rna_
 x54816_at_x54816_x54816,not_in_gb_record,gene_for_alpha-1-microglobulin-bikunin_exons_5-
 jan_(encodi
25 all_x54938_1175-1752,mrna_for_inositol_1,4,5-triphosphate_3-kinase_
 x55889cds_264-546:not_in_gb_record,gene_for_ciliary_neurotrophic_factor_exon_1_
 x55990mrna_163-489,ecp_gene_for_eosinophil_cationic_protein_
 all_x66141_261-784,mrna_for_cardiac_ventricular_myosin_light_chain-2_
 x97748mrna_59-189,ptx3_gene_promotor_region/gb=x97748/_ntype=dna/_annot=mrna_
30 all_x99140_1407-1822,mrna_for_hair_keratin_hhb5_
 y10376cds_888-1158:in_reversesequence,_1222-1408,mrna_for_sirp-beta1_
 y13115cds_2477-2879:in_reversesequence,_3061,mrna_for_serine/threonine_protein_kinase_sak
 z24680mrna_3558-4044,garp_gene_mrna_complete_cds
 all_z31357_967-1502,mrna_for_cysteine_dioxygenase_type_1_
35
 Metagene 486
 all_m60751_910-1163,histone_h2b.1_(h2b)_gene_complete_cds_
 x81333cds_1730-2078:in_reversesequence,_2130-2220,mrna_for_pph_beta_subunit_protein_

all_y00317_1618-2081,mrna_for_liver_microsomal_udp-glucuronosyltransferase_(udpgt)_

Metagene 397

- 5 u91618_167-671,proneurotensin/proneuromedin_n_mrna,_complete_cds.
x78121mrna_1730-1940:in_reversesequence,_1970-2036,mrna_for_choroideremia_
y07828cds_345-675:in_reversesequence,_844-994,mrna_for_ring_protein_

Metagene 373

10

d26350_10043-10481,mrna_for_typeinositol_1,4,5-trisphosphate_receptor,_complete_cds_
hg4747-ht5195_at_hg4747-ht5195_nadh-ubiquinone_oxidoreductase,_51_kda_subunit
m22612_188-759,pancreatic_trypsin(try1)_mrna,_complete_cds
all_x74008_1842-2245,mrna_for_protein_phosphatasegamma

15

Metagene 356

- d26156_4588-5166,mrna_for_transcriptional_activator_hsnf2b,_complete_cds_
d86964_5449-5995,mrna_for_kiaa0209_gene,_partial_cds_
20 hg3141-ht3317_f_at_hg3141-ht3317_nadh-ubiquinone_oxidoreductase,_39_kda_subunit
k03494cds_557-1062:in_reversesequence,_115,green_cone_photoreceptor_pigment_gene_1
119437_857-1211,transaldolase_mrna_containing_transposable_element,_complete_cds_
l24783_78-624,mrna_fragment/gb=l24783_/ntype=rna
l28010_1292-1748,hnrnp_f_protein_mrna,_complete_cds_
25 m80254_492-840,cyclophilin_isoform_(hcyp3)_mrna,_complete_cds
m88108_2156-2636,p62_mrna,_complete_cds
u19251_s_at_u19251_u19251,not_in_gb_record,neuronal_apoptosis_inhibitory_protein_mrna,_comp
lete_cds
u24166_2107-2395,eb1_mrna,_complete_cds
30 u33936_578-1050,adenosine_kinase_mrna,_complete_cds/gb=u33936_/ntype=rna_
u51990_867-1269,hprp18_mrna,_complete_cds
u60521_1398-1860,protease_promch6_(mch6)_mrna,_complete_cds
u62389_31-409,putative_cytosolic_nadp-
dependent_isocitrate_dehydrogenase_mrna,_partial_cds/gb=u62389
35 u72511_440-596,b-cell_receptor_associated_protein_(hbap)_mrna,_partial_cds_
x05196exon#9_2-458:in_reversesequence,_3199:not_in_gb_record,aldolase_c_gene_
all_x12953_859-1130,rab2_mrna,_ypt1-related_and_member_of_ras_family_
all_x17644_1976-2559,gst1-hs_mrna_for_gtp-binding_protein
x57152mrna#1_536-962,gene_for_casein_kinase_ii_subunit_beta_(ec_2.7.1.37)_

- x78338mrna_5278-5824,synthetic_adenovirus_transformedretina_cell_line_mrp_mrna_
all_x91247_3261-3700,mrna_for_thioredoxin_reductase
x97065cds_1852-2260:in_reversesequence,_2389-2395,mrna_for_sec23b_isoform,_2450bp_
x98411cds_2016-2256:in_reversesequence,_2340-2490,mrna_for_myosin-ii
5 x99209_1549-2053,mrna_for_arginine_methyltransferase_
all_z11695_2189-2736,40_kda_protein_kinase_related_to_rat_erk2_
z29481cds_624-792:in_reversesequence,_898-1186,mrna_for_3-
hydroxyanthranilic_acid_dioxygenase
- 10 Metagene 154
- d00408_1373-1921,fetal_liver_cytochrome_p-450_(p-
450_hfla),_complete_cds,fetal_liver_cytochrome_p-45
d13638_5003-5557,mrna_for_kiaa0013_gene,_complete_cds
15 hg2320-ht2416_at_hg2320-ht2416_integrin_betasubunit
m24351_cds2_at_m24351_m24351,not_in_gb_record_ptlhl_gene_(parathyroid_hormone-
like_protein_a)_extra
m73489_3312-3660,heat-stable_enterotoxin_receptor_mrna,_complete_cds_
u73330exon_13-77,pac_85d2,_complete_sequence/gb=u73330/_ntype=dna/_annot=exon
20 x95425cds_2672-3061:in_reversesequence,_3810-3857,mrna_for_ehk-1_receptor_tyrosine_kinase_

Metagene 53
- k01160mrna_1077-1232,ii_histocompatibility_antigen_dc-alpha_chain_mrna_
25 m26041_1273-1405,mhc_ii_dq_alpha_mrna,_complete_cds
m63379mrna_1190-1646,lrp-2_protein_gene_
u38810_2191-2659,mab-21_cell_fate-determining_protein_homolog_(cagrl)_mrna,_complete_cds_

Metagene 33
- 30 hg1728-ht1734_at_hg1728-ht1734_non-specific_cross_reacting_antigen,_altsplice_form_2_
j04046mrna_1559-2089,calmodulin_mrna,_complete_cds_
s77835_88-380,_il-2=interleukin-2_[human_brain_mrna_418_nt]/gb=s77835/_ntype=rna_
s83362mrna_10-109,_differentiation-
35 stimulating_factor/leukemia_inhibitory_factor_receptor_{5'_region
u65581_958-1420,ribosomal_protein_l3-like_mrna,_complete_cds.
x58234mrna_31-253,mrna_for_anti-lectin_antibody_epitope_(clone_p36/8-5)

Metagene 184

- d13720_3754-4319,mrna_for_lyk_complete_cds
d30715mrna#3_3-198,_alternative_splicing;_type-2_mrna_frompap_(pancreatitis-associated_protein)_gene
- 5 139061mrna_1198-1654,transcription_factor_sl1_mrna_partial_cds_
m34276cds_2066-2228:in_reversesequence,_213-354,plasminogen_gene
u09178_3355-3898,dihydropyrimidine_dehydrogenase_mrna_complete_cds
u37707_2429-2969,dlg3_mrna_complete_cds_
u38291mrna_9685-10027,microtubule-associated_protein_1a_(map1a)_genomic_sequence
- 10 u66578cds_598-1036:in_reversesequence,_1277,putative_g_protein-coupled_receptor_(gpr23)_gene,_comple
u69263_474-1002,matrilin-2_precursor_mrna_partial_cds_
u79667_3199-3522,alpha1a-voltage-dependent_calcium_channel_mrna_splice_form_bi-1-v2-ggcag,_partial_
u87223_4830-5196,contactin_associated_protein_(caspr)_mrna_complete_cds_
x01388cds_14-272:in_reversesequence,_349-529,mrna_for_pre-apolipoprotein_ciii_
x66358cds#1_633-1041,mrna_kkialre_for_serine/threonine_protein_kinase
x75346cds_788-1157:in_reversesequence,_1205-
1305,mrna_for_map_kinase_activated_protein_kinase_
20 Metagene 419
d13264_1681-2167,mrna_for_macrophage_scavenger_receptor_type_i,_3'_untranslated_region_
d38122_1307-1829,mrna_for_fas_ligand_complete_cds_
25 hg1686-ht4572_s_at_hg1686-
ht4572_transcription_factor_e4tfl_respiratory_gamma_subunit_altsplice_4_
u25029_1010-1556,glucocorticoid_receptor_alpha_mrna_variant_3'_utr
u34844exon_40-259,mercurial-insensitive_water-channel_gene,_5'_region_and_partial_exon/gb=u34844_/nt
30 u52191_4854-5396,smcy_(h-y)_mrna_complete_cds_
Metagene 331
ac002045mrna#2_625-908,_a-589h1.1_fromchromosomebac_clone_cit987-ska-
35 589h1_~complete_genomic_sequenc
d10523_3533-4079,mrna_for_2-oxoglutarate_dehydrogenase_complete_cds_
d31840_3679-4148,drpla_mrna_for_orf_complete_cds
d50912_2685-3183,mrna_for_kiaa0122_gene_partial_cds_
d80008_2695-3205,mrna_for_kiaa0186_gene_complete_cds

- d86963_4563-5097,mrna_for_kiaa0208_gene_complete_cds_
d87078_4798-5296,mrna_for_kiaa0235_gene_partial_cds_
hg1612-ht1612_at_hg1612-ht1612_macmarcks_
hg2525-ht2621_at_hg2525-ht2621_helix-loop-helix_protein_delta_max_altsplice_1_
5 hg3635-ht3845_f_at_hg3635-ht3845_zinc_finger_protein_kruppel-like_
107648_1955-2321,mx11_mrna_complete_cds_
176702mrna_2447-3005,b56-delta_mrna_complete_cds_
m13452_1927-2435,lamin_a_mrna_3'_end
m91670_301-787,ubiquitin_carrier_protein_(e2-epf)_mrna_complete_cds_
10 s49592_1868-2425_transcription_factor_e2f_like_protein_[human_mrna_2492_nt]
u09820_5579-6058,helicase_ii_(rad54l)_mrna_complete_cds.
u22963_752-1238,i_histocompatibility_antigen-like_protein_mrna_complete_cds.
u34044_1143-1647,selenium_donor_protein_(seld)_mrna_complete_cds
u37012_3868-4372,cleavage_and_polyadenylation_specificity_factor_mrna_complete_cds
15 u52426_3469-3997,gok_(gok)_mrna_complete_cds
u54778_1131-1671,14-3-3_epsilon_mrna_complete_cds_
u57342_967-1459,myelodysplasia/myeloid_leukemia_factor(mlf2)_mrna_complete_cds_
u72761_2753-3233,karyopherin_betamrna_complete_cds/gb=u72761/_ntype=rna
u81984_2277-2739,endothelial_pas_domain_protein(epas1)_mrna_complete_cds_
20 all_x06323_1105-
1520,mrl3_mrna_for_ribosomal_protein_l3_homologue_(mrl3=_mammalian_ribosome_l3_)_
x71428mma_1284-1788,fus_mrna
x75755mma#1_1337-1471,pr264_gene_
all_x76717_3-268,mt-11_mrna
25 all_x83928_456-919,mrna_for_transcription_factor_tfiid_subunit_tafii28_
all_x90824_828-1337,mrna_for_usf2a_&_usf2b_clone_p9dh_
x97160mma_2016-
2532_tfe3_transcription_factor_gene_extracted_fromtfe3_gene_exons_1,2,3_(and_joine
y07595cds_948-
30 1344:in_reversesequence_1501,mrna_for_52_kd_subunit_of_transcription_factor_tfiif
y13247_3077-3581,fb19_mrna
y13620_5732-6182,mrna_for_bcl9_gene/gb=y13620/_ntype=rna
z37166cds_1006-1252:in_reversesequence_1432-
1570,bat1_mrna_for_nuclear_rna_helicase_(dead_family)
35
Metagene 295
u78551_838-1396,gallbladder_mucin_muc5b_mrna_partial_cds_

Metagene 183

105628_4400-4969,multidrug_resistance-associated_protein_(mrp)_mrna,_complete_cds

107541_950-1436,replication_factor_38-kda_subunit_mrna,_complete_cds

5 u28413_1440-

1926,cockayne_syndrome_complementation_group_a_csa_protein_(csa)_mrna,_complete_cds

Metagene 20

10 af008937_508-916,syntaxin-16c_mrna,_complete_cds/gb=af008937/_ntype=rna_

d90282_4830-5136,carbamyl_phosphate_synthetase_i_(ec_6.3.4.16)_mrna

hg2846-ht2983_at_hg2846-ht2983_dihydrofolate_reductase,_altsplice_6

l19161_1001-1385,translation_initiation_factor_eif-2_gamma_subunit_mrna,_complete_cds

l24804_223-721,(p23)_mrna,_complete_cds

15 l36463_2081-2627,ras_inhibitor_(rin1)_mrna,_complete_cds

l77701mrna_43-337,cox17_mrna,_complete_cds

m90356cds_222-618:in_reversesequence,_1194-

l281,btf3_protein_homologue_gene,_complete_cds_

u34301mrna_2-

20 35,nonmuscle_myosin_heavy_chain_iib_gene,_promoter_region_and_exon/gb=u34301/_ntype=dna

u47025_3462-3994,fetal_brain_glycogen_phosphorylase_b_mrna,_complete_cds_

u55936_367-757,snap-23_mrna,_complete_cds

u70322_2456-3014,transportin_(tm)_mrna,_complete_cds

x68836cds_653-1139,mrna_for_s-adenosylmethionine_synthetase

25 z18859mrna_933-

1461,cone_transducin_alpha_subunit_gene_extracted_fromgene_for_cone_transducin_alpha_

Metagene 383

30 l11005_4386-4878,aldehyde_oxidase_(haox)_mrna,_complete_cds

u81262_2433-2877,lerk-5_(lerk-5)_mrna,_complete_cds

all_x89426_1465-1958,mrna_for_esm-1_protein

Metagene 339

35

d42045_3927-4419,mrna_for_kiaa0086_gene,_complete_cds

all_m86933_669-

706,amelogenin_(amely)_mrna,_complete_cds,amelogenin_(amely)_mrna,_complete_cds

m96980_2034-2598,myelin_transcription_factor(mtf1)_mrna,_3'_end

all_x16282_710-1185,mrna_for_zinc_finger_protein_(clone_647)_
x89960cds_21-327:in_reversesequence,_458-698,mrna_for_mitochondrial_capsule_selenoprotein

Metagene 300

5

d15050_4757-5231,mrna_for_transcription_factor_areb6,_complete_cds_
hg3748-ht4018_at_hg3748-ht4018_basic_transcription_factor,_44_kda_subunit
s82472cds_3-
73,_beta_#name?_polymerase_beta_{exon_alpha_to_exon_vii_region}_[human,_genomic,_124_nt,

10

Metagene 291

af006609_5-189,rgs3_mrna,_5'_utr/gb=af006609_/ntype=ma_
d38491_298-808,mrna_for_kiaa0117_gene,_partial_cds_
15 d50924_3807-4083,mrna_for_kiaa0134_gene,_complete_cds_
m86826_1501-2023,igf_binding_protein_complex_acid-labile_subunit_a_mrna,_complete_cds_
m97252_5809-6271,kallmann_syndrome_(kal)_mrna,_complete_cds_
u27768_235-709,rgp4_mrna,_complete_cds_
u51127_1706-2084,interferon_regulatory_factor(humirf5)_mrna,_complete_cds_
20 u62961_2749-3241,succinyl_coa:3-oxoacid_coa_transferase_precursor_(oxct)_mrna,_complete_cds

Metagene 215

d67029_4839-5355,sec14l_mrna,_complete_cds_
25 m61916_5027-5582,laminin_b1_chain_mrna,_complete_cds_
m69225mrna_8371-8845,bullous_pemphigoid_antigen_(bpag1)_mrna,_complete_cds_
u10550_1591-2107,gem_gtpase_(gem)_mrna,_complete_cds_
u50928_4486-
4858,autosomal_dominant_polycystic_kidney_disease_type_ii_(pkd2)_mrna,_complete_cds_
30 u73936_5049-5523,jagged(hj1)_mrna,_complete_cds_
u97105_4818-5364,n2a3_mrna,_complete_cds_
x05908cds_814-1012:in_reversesequence,_1110-1338,mrna_for_lipocortin
all_x81895_791-1350,genx-5624_mrna,_3'_utr/gb=x81895_/ntype=ma

35 Metagene 109

hg1327-ht1327_s_at_hg1327-ht1327_statherin_
hg2723-ht2819_at_hg2723-ht2819_proto-oncogene_n-cym
hg3971-ht4241_at_hg3971-ht4241_transcription_factor

- hg4332-ht4602_at hg4332-ht4602_zinc_finger_protein_znft1
 107949_1619-2075,gnrh_receptor_mrna,_complete_cds_
 m11722_1473-2037,terminal_transferase_mrna,_complete_cds_
 m13143_1762-
- 5 2224,_nucleotide_sequence_of_the_cdna_insert_of_lambda_pk129_coding_forplasma_prekallikr
 m83363_4104-4614,plasma_membrane_calcium-pumping_atpase_(pmca4)_mrna,_complete_cds_
 s69369_779-1115,_pax3a=transcription_factor_[human,_adult_cerebellum,_mrna,_1248_nt]
 s69965_171-597,_beta-synuclein_[human,_brain,_mrna,_730_nt]
 u83117_1201-1477,sentrin_mrna,_complete_cds
- 10 all_x64594_1290-1855,mrna_for_50_kda_erythrocyte_plasma_membrane_glycoprotein
- Metagene 36
- hg2538-ht2634_at hg2538-ht2634_heterogeneous_nuclear_ribonucleoprotein_c_
 15 u43653_2816-3155,obese_protein_(ob)_mrna,_complete_cds_
 v00532mrna_387-911,_ifna_gene_(interferon_alpha-
 i)_extracted_fromgene_for_leukocyte_(alpha)_interfer
 all_z46632_2953-3206,hspde4c1_gene_for_3',5' -
 cyclic_amp_phosphodiesterase,hspde4c1_gene_for_3',5'
- 20
- Metagene 290
- d13540_1948-2500,mrna_for_protein-tyrosine_phosphatase_
 s83325_1796-2275,_aspartyl(asparaginy)l)beta-
 25 hydroxylase_[human,_hepatoblastoma_cell_line_hepg2,_mrna
 all_x53296_1099-1657,mrna_for_irap_
 all_x95237_1357-1868,mrna_for_cysteine-rich_secretory_protein-1
- Metagene 487
- 30 s76067cds_405-759,_cng2=cyclic_nucleotide-
 gated_cation_channel_[human,_peripheral_leucocytes,_genomi
 u13021_844-1392,positive_regulator_of_programmed_cell_death_ich-11_(ich-
 1)_mrna,_complete_cds
- 35 u72508_757-1105,b7_mrna,_complete_cds
 x83490exon_3-34:in_reversesequence,_389,mrna_for_fas/apo-1_(clone_pertm11-
 fasdelta(3,4))/gb=x83490_
 z31690cds_838-1129:in_reversesequence,_1226-
 1445,(hepg2)_lal_mrna_for_lysosomal_acid_lipase_

Metagene 481

- 175847_1808-2330,zinc_finger_protein_45_(znf45)_mrna,_complete_cds_
5 176465_1929-2493,nad+-
 dependenthydroxyprostaglandin_dehydrogenase_(pgdh)_mrna,_complete_cds_
 m28585_329-839,leukocyte_interferon-alpha_mrna,_complete_cds,_clone_pifn105
 u50196_1238-1760,adenosine_kinase_mrna,_complete_cds_
 u92458_3747-4269,metabotropic_glutamate_receptormrna,_complete_cds

10

Metagene 355

- all_x85750_1935-
 2500,mrna_for_transcript_associated_with_monocyte_to_macrophage_differentiation
15 y09306cds_308-812,mrna_for_protein_kinase_dyrk6_partial/gb=y09306/_ntype=rna_

Metagene 289

- all_d29992_987-1132,mrna_for_placental_protein(pp5),_complete_cds_
20 m86849_1747-2179,connexin_26_(gjb2)_mrna_
 all_m96132_32-66,mhc_ii_hla-dr-beta-1*09012_(hla-drb1*09012)_gene,_3'_end_cds

Metagene 236

- 25** m11321mrna_1193-1703,group-specific_component_vitamin_d-
 binding_protein_mrna,_complete_cds_
 m58509cds#1_1114-1441:in_reversesequence,_4757-
 4867,_fdxr_gene_(adrenodoxin_reductase)_extracted_fro
 s57153_2388-
30 2878,_rbp1=retinoblastoma_binding_proteinisoform_i_{alternatively_spliced}_[human,_mrna_
 s79854_1585-
 1963,_typeiodothyronine_deiodinase=selenoenzyme_[human,_placenta,_mrna,_2066_nt]_
 u34360_3316-3832,lymphoid_nuclear_protein_(laf-4)_mrna,_complete_cds_
 all_v01515_5300-5550,gene_encoding_preproglucagonglucagon_is_a_29-
35 amino_acid_pancreatic_hormone_whic

Metagene 139

hg4518-ht4921_r_at_hg4518-ht4921_transcription_factor_btf3_homolog_

s81083mrna_3078-3438,<beta>-

add_gene_extracted_from_beta_#name?_beta_subunit_63_kda_isoform/membran

all_x86019_2045-2574,mrna_for_prpl-2_protein_

5 Metagene 72

j02986exon#3_1617-

1983,fgf4_gene(transforming_protein)_extracted_fromtransforming_protein_(hst)_ge

m22489_1036-1504,bone_morphogenetic_protein_2a(bmp-2a)_mrna_

10 u63289_1548-2010,rna-binding_protein_cug-bp/hnab50_(nab50)_mrna,_complete_cds

Metagene 396

d14043_1834-2362,mrna_for_mgc-24,_complete_cds_

15 d26067_2680-3166,mrna_for_kiaa0033_gene,_partial_cds_

d29805_3485-3995,mrna_for_beta-1,4-galactosyltransferase,_complete_cds_

d29963mrna_885-1443,sfa-1_(a_member_of_transmembranesuperfamily)_mrna,_complete_cds_

d30655_1263-1809,mrna_for_eukaryotic_initiation_factor_4aai

d43636_3576-4080,mrna_for_kiaa0096_gene,_partial_cds_

20 d50919_3864-4404,mrna_for_kiaa0129_gene,_complete_cds

d50926_3626-4124,mrna_for_kiaa0136_gene,_partial_cds_

d87446_5583-6135,mrna_for_kiaa0257_gene,_partial_cds_

d87685_5584-5920,mrna_for_kiaa0244_gene,_partial_cds_

j04058_767-1217,electron_transfer_flavoprotein_alpha-subunit_mrna,_complete_cds

25 l14837_7335-7839,tight_junction_(zonula_occludens)_protein_zo-1_mrna,_complete_cds_

l19872_4756-5059,ah-receptor_mrna,_complete_cds

l40027mrna_1586-2132,glycogen_synthase_kinase_mrna,_complete_cds

l40392mrna_1818-2280,(clone_sl64)_mrna,_3'_end_of_cds_

l48513mrna_941-1445,paraoxonase(pon2)_mrna,_complete_cds_

30 m20867_2463-2986,glutamate_dehydrogenase_(gdh)_mrna,_complete_cds

m29204mrna#1_2236-2782,dna-binding_factor_mrna,_complete_cds_

m31013mrna_4587-5091,nonmuscle_myosin_heavy_chain_(nmhc)_mrna,_3'_end

m62831mrna_1210-1750,transcription_factor_etr101_mrna,_complete_cds

m65217_1840-2278,heat_shock_factor(hsf2)_mrna,_complete_cds_

35 m77142_1629-2193,polyadenylate_binding_protein_(tia-1)_mrna,_complete_cds

m96954_806-1313,nucleolysin_tiar_mrna,_complete_cds_

s72008_1731-2229,hcdc10=cdc10_homolog_[human,_fetal_lung,_mrna,_2314_nt]_

s80562_1042-1582,acidic_calponin_[human,_kidney,_mrna,_1607_nt]

- u11313mrna_2104-2587,sterol_carrier_protein-x/sterol_carrier_protein-2_(scp-x/scp-2)_gene,_promoter_
u14588_3012-3570,paxillin_mrna,_complete_cds_
u23942_2811-3129,lanosterol_14-demethylase_cytochrome_p450_(cyp51)_mrna,_complete_cds
- 5 u31383_755-1151,g_protein_gamma-10_subunit_mrna,_complete_cds
u35113_2039-2555,metastasis-associated_mta1_mrna,_complete_cds_
u43077_964-1510,cdc37_homolog_mrna,_complete_cds_
u53209_968-1436,transformer-2_alpha_(htra-2_alpha)_mrna,_complete_cds
u61167_3488-4028,sh3_domain-containing_protein_sh3p18_mrna,_complete_cds_
- 10 u79267_987-1437,clone_23840_mrna,_partial_cds
u90909_944-1412,clone_23722_mrna_sequence
x04654cds_1467-1819:in_reversesequence,_2524-2634,mrna_for_u1_mna-associated_70k_protein_
all_x72727_2460-2794,tunp_mrna_for_transformation_upregulated_nuclear_protein
all_x76061_4282-4793,p130_mrna_for_130k_protein
- 15 x80230mrna_1187-1697,mrna_(clone_c-2k)_mrna_for_serine/threonine_protein_kinase
all_x87838_2803-3320,mrna_for_beta-catenin_
all_x98172_2240-2754,mrna_for_mach-alpha-1_protein_
all_z15115_2781-3346,top2_mrna_for_dna_topoisomerase_ii_(partial)
all_z24725_2759-3210,mitogen_inducible_gene_mig-2,_complete_cds
- 20 Metagene 351
- d38503_915-1455,pms8_mrna_(yeast_mismatch_repair_gene_pms1_homologue),_partial_cds_(c-terminal_regio
- 25 hg3313-ht3490_at_hg3313-ht3490_thyroid_hormone_receptor,_beta-2
hg3996-ht4266_at_hg3996-ht4266_cpg-enriched_dna,_clone_s21_
- Metagene 152
- 30 hg3115-ht3291_at_hg3115-ht3291_golli-mbp_
102950_673-1177,mu-crystallin_mrna,_complete_cds_
all_m10950_57-304,alpha-fetoprotein_(afp)_gene
m64572_3431-3923,protein_tyrosine_phosphatase_mrna,_complete_cds_
s68134_500-665,_crem=cyclic_amp-
- 35 responsive_element_modulator_beta_isoform_[human,_mrna,_1030_nt]
u41898_73-505,sodium_cotransporter_rkst1_mrna,_partial_cds/gb=u41898/_ntype=rna
u50708_946-1384,branched_chain_alpha-
ketoacid_dehydrogenase_e1_beta_subunit_mrna,_complete_cds_

Metagene 420

- d14838_915-1317,mrna_for_fgfr-9,_complete_cds_
 - d38548_4682-5210,mrna_for_kiaa0076_gene,_complete_cds_
 5 d63851_3157-3643,mrna_for_unc-18_homologue,_complete_cds_
 d87073_5307-5847,mrna_for_kiaa0236_gene,_complete_cds_
 hg1728-ht1734_s_at_hg1728-ht1734_non-specific_cross_reacting_antigen,_altsplice_form_2_
 m28827_620-1112,thymocyte_antigen_cd1c_mrna,_complete_cds_
 m92449_668-1190,ltr_mrna,_3'_end_of_coding_region_and_3'_flank_
 10 u02388_2097-2337,cytochrome_p450_4f2_(cyp4f2)_mrna,_complete_cds_
 u59632_2578-
 3138,h5_mrna,_partial_cds,_and_platelet_glycoprotein_ib_beta_chain_mrna,_complete_cds_
 u72517_413-
 953,alternatively_spliced_variant_c7f_(c3f)_mrna,_partial_3'_utr/gb=u72517/_ntype=rna_
 15

Metagene 219

- d38462exon_57-
 549,gene_for_a1_chain_of_type_xix_collagen,_exon_+3'/gb=d38462/_ntype=dna/_annot=exon
 20 120433_3738-3780,octamer_binding_transcription_factor(otf1)_mrna,_complete_cds_
 z68204cds_43-373,mrna_for_succinyl_coa_synthetase/gb=z68204/_ntype=rna_
 15

Metagene 15

- 129306_723-1116,tryptophan_hydroxylase_(tph)_mrna,_complete_cds/gb=129306/_ntype=rna
 all_m14159_1264-1482,_t-cell_receptor_beta-chain_j2.1_gene_extracted_fromt-
 cell_receptor_germline_be
 m20566mrna_2745-3180,interleukinreceptor_mrna,_complete_cds_
 s69232_1584-1992,_electron_transfer_flavoprotein-
 30 ubiquinone_oxidoreductase_[human,_fetal_liver,_mrna
 u09851_44-254,zinc_finger_protein_(znf148)_mrna,_partial_cds_
 y07512_3211-3715,mrna_for_type_i_beta_cgmp-dependent_protein_kinase_(ec_2.7.1.37)
 all_z80779_563-822,h2b/g_gene
 35

Metagene 11

hg2662-ht2758_at_hg2662-ht2758_homeotic_protein_emx1_
 109753_1377-1827,cd30_ligand_mrna,_complete_cds_
 s71018_282-798,_cyclophilin_c_[human,_kidney,_mrna,_883_nt]_

s76473_2563-3079, trkb [human, brain, mrna, 3194_nt]

Metagene 133

- 5 all_d00726_1842-2413, mrna_for_ferrochelatase (ec_4.99.1.1)_
d16217_1904-2414, mrna_for_calpastatin, complete_cds
d63390_600-1164, mrna_for_acetylhydrolase_ib_beta-subunit, complete_cds_
d87464_2481-2961, mrna_for_kiaa0274_gene, complete_cds
hg2850-ht4814_s_at_hg2850-ht4814_biliary_glycoprotein, altsplice_5, a
- 10 hg3578-ht3781_at_hg3578-ht3781_autoimmune_antigen, thyroid_disease-related_antigen_
hg417-ht417_s_at_hg417-ht417_cathepsin_b_
hg4234-ht4504_at_hg4234-ht4504_methylenetetrahydrofolate_reductase_
hg4660-ht5073_at_hg4660-ht5073_microtubule-associated_protein_1b_
hg945-ht945_s_at_hg945-ht945_nucleic_acid-binding_protein
- 15 j05213_430-958, sialoprotein_mrna, complete_cds_
l07033_967-1507, hydroxymethylglutaryl-coa_lyase_mrna, complete_cds_
l38486mrna_1162-1720, microfibril-associated_glycoprotein(mfap4)_mrna, 3'_end_of_cds_
m71243mrna_25-
38: not_in_gb_record, glycophorin_sta (type_a)_exonsand_4, partial/gb=m71243/_ntype=dna_
20 m76424gene_6565-7070, carbonic_anhydrase_vii (ca_vii)_gene
u01824_1402-1912, glutamate/aspartate_transporter_ii_mrna, complete_cds_
u07000cds#4_558-810: in_reversesequence, 97660-
97876, bcr_gene (unknown)_extracted_frombreakpoint_clu
u13044_1429-1945, nuclear_respiratory_factor-2_subunit_alpha_mrna, complete_cds_
25 u19948_1058-1616, protein_disulfide_isomerase (pdip)_mrna, complete_cds_
u27831cds_1110-1578: in_reversesequence, 1602-1680, striatum-
enriched_phosphatase (step)_mrna, partial
u44059_429-909, thyrotroph_embryonic_factor (tef)_mrna, complete_cds
u49441_258-
30 648, mitochondrial_trifunctional_protein_beta_subunit_mrna, partial_cds/gb=u49441/_ntype=r
u51205_333-873, cop9_homolog (hcop9)_mrna, complete_cds_
u59057_226-754, beta-a4_crystallin (cryba4)_mrna, complete_cds
u59736_2496-2772, transcription_factor (nfatc.b)_mrna, complete_cds_
u63455mrna_4412-4868, sulfonyleurea_receptor (sur1)_gene_
35 u67988_1623-2163, guanylate_kinase_associated_protein (gkap)_mrna, complete_cds_
u86358_296-818, chemokine (teck)_mrna, complete_cds/gb=u86358/_ntype=rna
u90918_1794-2094, clone_23654_mrna_sequence_
u96769mrna_1266-1746, chondroadherin_gene, 5'_flanking_region_and_

- u96781mrna#1_2433-2961,atp2a1_gene_(ca2+_atpase_of_fast-twitch_skeletal_muscle_sacroplasmic_reticul
x65633cds_585-870:in_reversesequence,_1568-1766,acth-r_gene_for_adrenocorticotrophic_hormone_receptor
- 5** x66114mrna_564-1074,gene_for_2-oxoglutarate_carrier_protein_
all_x77197_2631-3166,mrna_for_chloride_channel_
x83973cds_2262-2538:in_reversesequence,_2738-2822,mrna_for_ttf-i
x91117mrna_1655-2033,hg_net_gene_exon_1_
x92521cds_1127-1484:in_reversesequence,_1618-1768,mrna_for_mmp-19_protein_
- 10** x93996mrna_2570-3113,mrna_for_afx_protein_
x95406exon#1-2_12-17:not_in_gb_record,cyclin_e_gene.
y07847exon#3_36-582,mrna_for_rrp22_protein_
z71389mrna_85-295,mrna_for_skin-antimicrobial-peptide(sap1).
- 15** Metagene 61
- m31166mrna_1286-1784,tumor_necrosis_factor-inducible_(tsg-14)_mrna,_complete_cds_
u60415_2126-2570,bhlh-pas_protein_jap3_mrna,_complete_cds
u70981_749-1283,interleukin-13_receptor_mrna,_complete_cds_
- 20** z83803_7-259,mrna_for_axonemal_dynein_heavy_chain_(partial,_id_hdhc4)
- Metagene 463
- hg2709-ht2805_at_hg2709-ht2805_serine/threonine_kinase_
25 hg3137-ht3313_at_hg3137-ht3313_zinc_finger_protein_znf81_
hg4052-ht4322_at_hg4052-ht4322_glutamate_ionotropic_receptor
m13666_800-992,c-myb_mrna,_3'_end
m15656cds_712-1066:in_reversesequence,_3992-4082,aldolase_b_(aldob)_gene
m54995_108-603,connective_tissue_activation_peptide_iii_mrna,_complete_cds_
30 s69790_962-1412,_brush-
l=tumor_suppressor_{3'_region}_[human,_breast_epithelium,_mrna_partial,_1485_
all_x53065_85-462,spr2-1_gene_for_small_proline_rich_protein_(exon_2)
y10571cds_696-978:in_reversesequence,_1002-1194,mrna_for_ding_gene
all_y11897_19-320,brx_gene_3'_utr/gb=y11897_/ntype=rna_
35 z75330cds_3384-3714:in_reversesequence,_4156-4312,mrna_for_nuclear_protein_sa-1.
- Metagene 414
- d86640_2374-2902,mrna_for_stac,_complete_cds_

- hg2157-ht2227_at_hg2157-ht2227_mucin_4,_tracheobronchial_
j03507_3421-3865,complement_protein_component_c7_mrna,_complete_cds
all_115296_3031-3082,clone_hrcnc2b_retinal_rod_cyclic_nucleotide-
gated_cation_channel_gene,_complete
- 5 141390exon#1_244-395,corebeta-1,6-n-
acetylglucosaminyltransferase_(coregnt)_gene,_exon/gb=141390_/nt
m59820mrna_2435-2975,granulocyte_colony-
stimulating_factor_receptor_(csf3r)_mrna,_complete_cds_
m77481mrna_1021-1566,antigen_(mage-1)_gene,_complete_cds
- 10 m82962mrna_2313-2835,n-benzoyl-l-tyrosyl-p-amino-
benzoic_acid_hydrolase_alpha_subunit_(pph_alpha)_mr
m87284_2479-2923,69_kda_2'_5'_oligoadenylate_synthetase_(p69_2-
5a_synthetase)_mrna,_complete_cds_
u05291_1363-1849,fibromodulin_mrna,_partial_cds
- 15 u29589exon_2948-3488,m3_muscarinic_acetylcholine_receptor_(chrn3)_gene,_complete_cds_
u43672_2939-3443,putative_transmembrane_receptor_il-1rrp_mrna,_complete_cds
u71601_960-1422,zinc_finger_protein_zfp47_(zf47)_mrna,_partial_cds_
x06482cds_60-405:in_reversesequence,_884-887,theta_1-globin_gene
all_x14975_7566-8337,cd1_r2_gene_for_mhc-related_antigen_
20 x55989mrna_169-354,ecrp_gene_for_eosinophil_cationic_related_protein
y10512mrna_14-452,mrna_for_cd282_protein/gb=y10512_/ntype=rna
- Metagene 113
- 25 110102mrna#1_392-794,sex-determining_region_y_(sry)_gene,_complete_cds_
134081mrna_1055-1601,bile_acid_coa:_amino_acid_n-acyltransferase_mrna,_complete_cds
m34353_6763-7342,transmembrane_tyrosine-specific_protein_kinase_(ros1)_mrna,_complete_cds
m61156_1122-1308,activator_protein_2b_(ap-2b)_mrna,_complete_cds_
m95767_1065-1563,di-n-acetylchitobiase_mrna,_complete_cds_
30 all_x02956_1039-1253,interferon_alpha_gene_ifn-alpha_5_
all_x07994_5703-6244,mrna_for_lactase-phlorizin_hydrolase_lph_(ec_3.2.1.23-62)_
x68994exon_4-55,creb_gene,_exon_y
all_x78686_706-1121,ena-78_mrna
all_x95239_863-1362,mrna_for_cysteine-rich_secretory_protein-2/type_i
35 y10508mrna_370-660,mrna_for_cd190_protein/gb=y10508_/ntype=rna_

Metagene 106

hg2007-ht2056_s_at_hg2007-ht2056_proto-oncogene_sno,_altsplice_n_

Metagene 319

- d42072_2020-2542,mrna_for_nfl_n-isoform-exon11,_complete_cds_
5 hg3998-ht4268_at_hg3998-ht4268_l-glycerol-3-phosphate:nad+_oxidoreductase
 m28170_1894-1987,cell_surface_protein_cd19_(cd19)_gene,_complete_cds_
 m62843_906-
 1404,brain_protein_recognized_by_the_sera_of_patients_with_paraneoplastic_sensory_neurono
 s67247_365-
10 821,_smooth_muscle_myosin_heavy_chain_isoform_smemb_[human,_umbilical_cord,_fetal_aorta,_
 u08006exon#1_78-567,complementalpha_subunit_(c8a)_gene
 u09411_1794-2343,zinc_finger_protein_znf132_mrna,_complete_cds_
 u40343_657-1119,cdk_inhibitor_p19ink4d_mrna,_complete_cds
 u52827_1022-1508,cri-du-chat_region_mrna,_clone_nibb11_
15 u66052mrna_7-271,clone_w2-6_mrna_from_chromosome_x/gb=u66052_/ntype=rna
 x07173cds_2503-2803:in_reversesequence,_2956-3028,mrna_for_second_protein_of_inter-alpha-
 trypsin_inh
 x16316cds_2109-2355:in_reversesequence,_2483-2693,mrna_for_vav_oncogene_
 x63578mrna_31-535,gene_for_parvalbumin

20

Metagene 170

- 109230_933-1460,c-c_chemokine_receptor_type(c-c_ckr-1)_mrna,_complete_cds_
 147276_383-934,(cell_line_hl-60)_alpha_topoisomerase_truncated-
25 form_mrna,_3'_utr/gb=147276_/ntype=m
 m13150mrna_776-1337,mass_proto-oncogene_mrna,_complete_cds
 m20137mrna_400-820,interleukin(il-3)_mrna,_complete_cds,_clone_pcd-sr-alpha_
 u33202_104-354,mdm2-d_(mdm2)_mrna,_complete_cds/gb=u33202_/ntype=rna_
 all_x66894_3881-4417,facc_mrna_from_complementation_group_c_(fa(c))
30 all_y08263_1373-1902,mrna_for_aad14_protein,_partial_
 all_y09980_16580-17121,hoxd3_gene_

Metagene 75

- 35** hg1227-ht1227_s_at_hg1227-ht1227_collagen_type_ii_alpha_1
 all_j00116_4597-4806,alpha-1(ii)_collagen_gene_col2a1,_partial_cds_
 m60299exon_73-163,alpha-
 1_collagen_type_ii_gene_exons_1,and/gb=m60299_/ntype=dna_/annot=exon
 u14550_1319-1877,sialyltransferase_sthm_(sthm)_mrna,_complete_cds

u22322_2205-2587,nuclear_tyrosine_protein_kinase_rak_mrna_complete_cds
all_x57830_2409-3016,serotonin_5-ht2_receptor_mrna_

Metagene 223

5

all_m60749_829-1061,histone_h4_(h4)_gene_complete_cds_
u24577_1182-1512,ldl-phospholipase_a2_mrna_complete_cds_

Metagene 116

10

d63412_1299-1713,mrna_for_aquaporin_complete_cds
hg2981-ht3938_s_at_hg2981-ht3938_epican_altsplice_12
u61849_4650-5040,neuronal_pentraxin(nptx1)_mrna_complete_cds_

15 Metagene 332

l37362_1009-1579,(clone_d2-115)_kappa_opioid_receptor(oprk1)_mrna_complete_cds
all_m28879_3325-4444,granzyme_b(ctla-1)_gene_complete_cds
u34070cds_744-1053:in_reversesequence,_1731-

20

1763,ccaat/enhancer_binding_protein_alpha_gene_complete
u57592_3563-4043,jumonji_putative_protein(jumonji)_mrna_complete_cds_
u93867_1248-
1764,rna_polymerase_iii_subunit(rpc62)_mrna_complete_cds/gb=u93867/_ntype=rna
all_z28339_2084-2649,mrna_for_delta_4-3-oxosteroidbeta-reductase

25

Metagene 196

d37984_1856-2314,mrna_for_dna_helicase_q1_partial_cds_
l22214_2335-2857,adenosine_a1_receptor(adoral)_mrna_exons_1-6_complete_cds_
u17743_699-1221,jnk_activating_kinase(jnkk1)_mrna_complete_cds_
u21051mrna#1_2326-2647,g_protein-coupled_receptor(gpr4)_gene_complete_cds_
u45975_882-1434,phosphatidylinositol_(4,5)bisphosphate_5-
phosphatase_homolog_mrna_partial_cds_
u50743_13-439,na,k-atpase_gamma_subunit_mrna_complete_cds_

35

Metagene 150

d17390_2313-2829,mrna_for_mdc_protein
d49410exon_48-534,gene_for_interleukinreceptor_alpha_subunit

- hg3063-ht3224_at_hg3063-ht3224_major_histocompatibility_complex_i
hg3355-ht3532_at_hg3355-ht3532_peroxisome_proliferator_activated_receptor
hg4417-ht4687_f_at_hg4417-ht4687_homeotic_protein_hpx-2
111931_1454-1644,cytosolic_serine_hydroxymethyltransferase_(shmt)_mrna,_complete_cds_
5 m21056cds_193-403:in_reversesequence,_165-345,pancreatic_phospholipase_a-2_(pla-2)_gene_
m76231_292-790,sepiapterin_reductase_mrna,_complete_cds
m81379_1126-1546,alpha-3_type_iv_collagen_(col4a3)_mrna,_3'_end
m86383_1007-1527,nicotinic_acetylcholine_receptor_alphasubunit_mrna,_complete_cds_
m86407_2299-2833,alpha_actinin(actn3)_mrna,_complete_cds_
10 m95678_3990-4494,phospholipase_c-beta-2_mrna,_complete_cds
u06643_71-463,keratinocyte_lectin(hkl-14)_mrna,_complete_cds.
u16127_3025-3589,glutamate/kainate_receptor_subunit_(eaa5)_mrna,_complete_cds
u43142_1456-1972,vascular_endothelial_growth_factor_related_protein_vrp_mrna,_complete_cds_
u59913_1640-2168,chromosomemad_homolog_smad5_mrna,_complete_cds_
15 u62437_1943-2393,nicotinic_acetylcholine_receptor_beta2_subunit_precursor,_mrna,_complete_cds
u71300_1307-
1703,snrna_activating_protein_complex_50kd_subunit_(snap50)_mrna,_complete_cds_
all_x15217_2292-2875,sno_oncogene_mrna_for_snoa_protein_ski-related_
all_x54741_2389-2918,cypxib2_gene_for_aldosterone_synthase_
20 x60592mrna_415-973,cdw40_mrna_for_nerve_growth_factor_receptor-related_b-
lymphocyte_activation_molec
x60655mrna_990-1474,evx1_mrna
x62891mrna_57-390,mutant_coseg_gene_for_vasopressin-neurophysin_precursor
x91257_1281-1797,mrna_for_seryl-trna_synthetase
25 x92475_905-1295,mrna_for_itba1_protein_
x95191cds_707-848,mrna_for_delta-sarcoglycan/gb=x95191_/ntype=rna
all_y11215_971-1446,mrna_for_skap55_protein/gb=y11215_/ntype=rna
z22865cds_164-578:in_reversesequence,_620,dermatopontin_mrna,_complete_cds
reverse_z49155_27087-
30 27346,dna_from_cosmid_l83d3,_huntington's_disease_region,_chromosome_4p16.3_

Metagene 263

ab003698_2634-3138,mrna_for_cdc7-related_kinase,_complete_cds
35 m77140_91-409,pro-galanin_mrna,_3'_end_
m98447mrna_2256-2670,keratinocyte_transglutaminase_gene,_complete_cds_
u23752_1679-1919,sox-11_mrna,_complete_cds

Metagene 282

- aj001421cds_117-567:in_reversesequence,_585-
600,mrna_for_rer1_protein/gb=aj001421_/ntype=rna_
d86981_5936-6410,mrna_for_kiaa0228_gene_partial_cds_
- 5** 142452mrna_1100-1520,pyruvate_dehydrogenase_kinase_isoenzyme(pdk3)_mrna_complete_cds_
m22632mrna_1744-2284,mitochondrial_aspartate_aminotransferase_mrna_complete_cds_
m87503_1085-1535,ifn-responsive_transcription_factor_subunit_mrna_complete_cds_
u01923_1649-2090,btk_region_clone_ftp-3_mrna_
u02081_1642-2026,guanine_nucleotide_regulatory_protein_(net1)_mrna_complete_cds_
- 10** u04285utr#1_689-1148,lysosomal_acid_lipase_cholesteryl_ester_hydrolase_(lipa)_gene
u16799_865-1419,na,k-atpase_beta-1_subunit_mrna_complete_cds_
u40038_1236-1425,gtp-binding_protein_alpha_q_subunit_(gnaq)_mrna_complete_cds_
u53445_2442-
2928,ovarian_cancer_downregulated_myosin_heavy_chain_homolog_(doc1)_mrna_complete_cds_
- 15** u58046_4637-5176,p167_mrna_complete_cds_
u76421_4572-4962,dsrna_adenosine_deaminase_drada2b_(drada2b)_mrna_complete_cds_
u77718_2100-2592,desmosome_associated_protein_pinin_mrna_complete_cds_
u81006_1886-2348,p76_mrna_complete_cds_
u89505_1087-1537,h1ark_mrna_complete_cds_
- 20** u94586_145-445,nadh:ubiquinone_oxidoreductase_mlrq_subunit_mrna_complete_cds_
all_x01060_4427-4986,mrna_for_transferrin_receptor_
all_x13916_14416-14876,mrna_for_ldl-receptor_related_protein_
x53586mrna_4766-
5306_integrin_alpha(or_alpha_e)_protein_gene_extracted_frommrna_for_integrin_alpha_
all_x68560_2909-3480,spr-2_mrna_for_gt_box_binding_protein_
x69978cds_3218-3494:in_reversesequence,_3769-3781,mrna_for_xp-g_factor
all_x71490_1059-1552,mrna_for_vacuolar_proton_atpase_subunit_d
all_x72790_30-1461,endogenous_retrovirus_mrna_for_orf/gb=x72790_/ntype=rna_
x77909cds_888-1122:in_reversesequence,_1202-1406,ikbl_mrna
- 30** x82676_3333-3873,mrna_for_tyrosine_phosphatase_
all_y00757_629-1134,mrna_for_polypeptide_7b2_
all_z34975_2303-2862,ldlc_mrna_
z49989cds_779-1079:in_reversesequence,_1540,mrna_for_smoothelin_
- 35** Metagene 85

d38553_2125-2665,mrna_for_kiaa0074_gene_partial_cds_
d78367_1372-1810,mrna_for_k12_keratin_complete_cds_
j03133_2096-2612,transcription_factor_sp1_mrna_3'_end_

- 106895_503-977,antagonizer_of_myc_transcriptional_activity_(mad)_mrna,_complete_cds_
 141816mrna_891-1389,cam_kinase_i_mrna,_complete_cds_
 s78085_719-1187,_pdc2=programmed_cell_death-
 2/rp8_homolog_[human,_fetal_lung,_mrna,_1282_nt]_
- 5** all_u66083_2217-
 2758,contig_of_two_cosmids_from_llnl_x_chromosome_library_(u83f1,_u109h10),_includin
 u89916_375-879,putative_osp_like_protein_mrna,_partial_cds
 all_x62048_1820-2343,wee1_hu_gene
- 10** Metagene 385
 m32402mrna_1851-2253,placental_protein_(pp11)_mrna,_complete_cds_
 m93107_978-1278,heart_(r)-3-hydroxybutyrate_dehydrogenase_mrna,_3'_end
- 15** Metagene 465
 af015913_1437-1947,skblhs_mrna,_complete_cds/gb=af015913/_ntype=rna_
 d11428_1253-1757,mrna_for_pmp-22(pas-ii/sr13/gas-3)_of_peripheral_myelin,_complete_cds_
 d16294_1019-1523,mrna_for_mitochondrial_3-oxoacyl-coa_thiolase,_complete_cds_
20 d21063_2853-3303,mrna_for_kiaa0030_gene,_partial_cds_
 d38524_2673-3213,mrna_for_5'_-nucleotidase_
 d63476_4587-4953,mrna_for_kiaa0142_gene,_complete_cds
 hg1827-ht1856_s_at_hg1827-ht1856_cytochrome_p450,_subfamily_iic,_altsplice_form_2
 hg2981-ht3127_s_at_hg2981-ht3127_epican,_altsplice_11
25 hg3521-ht3715_at_hg3521-ht3715_ras-related_protein_rap1b_
 j05682_1023-1575,subunit_c_of_v-atpase_(vat_c)_mrna,_3'_end
 l28997_443-953,arl1_mrna,_complete_cds
 l31801_2229-2535,monocarboxylate_transporter(slc16a1)_mrna,_complete_cds_
 m25753mrna_1103-1427,cyclin_b_mrna,_3'_end_
30 all_m27161_6940-7265,mhc_i_cd8_alpha-chain_(leu-2/t8)_gene,_complete_cds_
 m67468_3244-3720,fragile_x_mental_retardationfmr-1_gene,_3'_end,_clones_bc72_and_bc22_
 m74524_1190-1658,hhr6a_(yeast_radhomologue)_mrna,_complete_cds
 m90656_2044-2590,gamma-glutamylcysteine_synthetase_(gcs)_mrna,_complete_cds
 u00001_2019-2547,homologue_of_spombe_nuc2+_and_anidulans_bima
35 u01833_690-1164,nucleotide-binding_protein_mrna,_complete_cds
 u09564_3725-4205,serine_kinase_mrna,_complete_cds
 u15128cds_1011-1299:in_reversesequence,_2065-2233,beta-1,2-n-
 acetylglucosaminyltransferase_ii_(mgat2
 u17714_2774-3068:not_in_gb_record,putative_tumor_suppressor_(snc6)_mrna,_complete_cds_

- u27460_1582-1798,uridine_diphosphoglucose_pyrophosphorylase_mrna,_complete_cds_
u39318_159-675,e2_ubiquitin_conjugating_enzyme_ubch5c_(ubch5c)_mrna,_complete_cds_
u61145_2035-2509,enhancer_of_zeste_homolog(ezh2)_mrna,_complete_cds_
u61232_1407-1869,tubulin-folding_cofactor_e_mrna,_complete_cds_
5 u69141_1311-1719,glutaryl-coa_dehydrogenase_mrna,_complete_cds_
u72263_2410-
2931,multiple_exostoses_type_ii_protein_ext2.i_mrna,_complete_cds/gb=u72263_/ntype=rna_
u88047_1567-1969,dna_binding_protein_homolog_(drx)_mrna,_partial_cds_
all_x02160_4717-4976,mrna_for_insulin_receptor_precursor_
10 all_x54993_1096-1685,tfiid_mrna
all_x56807_2617-3194,dsc2_mrna_for_desmocollins_type_2a_and_2b_
x59244mrna_2391-2967,znf43_mrna
x61100mrna_1983-
2445,_75_kda_subunit_nadh_dehydrogenase_precursor_gene_extracted_frommrna_for_mitoch
15 all_x63468_2398-2915,mrna_for_transcription_factor_tfiie_alpha_
all_x64229_888-1393,dek_mrna_
x65867cds#1_1157-1409:in_reversesequence,_1447-1639,mrna_for_adenylosuccinate_lyase_
all_x79201_2342-2775,mrna_for_syt
x85753_1268-1646,mrna_for_cdk8_protein_kinase
20 y00971mrna_1891-
2419,mrna_for_phosphoribosyl_pyrophosphate_synthetase_subunit_ii_(ec_2.7.6.1)_
y09943cds_117-452:in_reversesequence,_561-602,mrna_for_ngf-inducible_pc3_anti-
proliferative_protein_
25 Metagene 411
d17570_565-1083,mrna_for_zona-pellucida-binding_protein_(sp38),_complete_cds.
d49394_1619-2123,mrna_for_serotonin_5-ht3_receptor,_complete_cds_
hg2358-ht4858_s_at_hg2358-ht4858_proto-oncogene_ets-1,_altsplice_2_
30 l39833_2587-3097,(clone_hkvbeta3)_k+_channel_beta_subunit_mrna,_complete_cds_
m13577mrna_1550-2096,myelin_basic_protein_(mbp)_mrna,_complete_cds_
m14113mrna_8440-8986,coagulation_factor_viii:c_mrna,_complete_cds_
all_m33987_2226-2701,carbonic_anhydrase_i_(cai)_mrna,_complete_cds_
m35296_3284-3758,tyrosine_kinase_arg_gene_mrna_
35 m64934_1917-2397,kell_blood_group_protein_mrna_
all_s71129_3-426,_acetylcholinesterase_{i4-
e5_doman}_[human,_tumor_cell_lines,_genomic,_847_nt]_
s78234_2755-3259,nuc2_homolog_[human,_fibroblasts,_mrna,_3320_nt]
u00238_3024-3552,glutamine_prpp_amidotransferase_(gpat)_mrna,_complete_cds

- u00943_1017-1203,clone_a9a2brb2_(cac)n/(gtg)n_repeat-containing_mrna_
u03397_787-1358,receptor_protein_4-1bb_mrna,_complete_cds
u15460_322-844,bzip_protein_b-atf_mrna,_complete_cds_
u27326_1666-
- 5** 2123,alpha_(1,3/1,4)_fucosyltransferase_(fut3)_mrna,_major_transcript_i,_complete_cds
u31875_979-1399,hep27_protein_mrna,_complete_cds.
u40846_1964-2399,alpha-n-acetylglucosaminidase_(nag)_mrna,_complete_cds
u51477_2883-3444,diacylglycerol_kinase_zeta_mrna,_complete_cds_
u62317mrna#6_1634-
- 10** 2156,_hypothetical_protein_384d8gene_extracted_from_chromosome_22q13_bac_clone_cit
u71364_1097-1553,serine_proteinase_inhibitor_(p19)_mrna,_complete_cds
all_u73167_4971-
35099,_h_luca14.2a_gene_extracted_fromcosmid_luca14,_h_luca14.2a_gene_extracted_from
u79274_883-1381,clone_23733_mrna,_complete_cds.
- 15** v00574cds_225-538:in_reversesequence,_3330-
3468,germ_line_gene_homologous_to_bladder_carcinoma_oncog
all_x17622_3693-4210,hbk2_mrna_for_potassium_channel_protein_
x51688mrna_1054-1438,mrna_for_cyclin_a_
all_x62515_13260-13708,mrna_for_basement_membrane_heparan_sulfate_proteoglycan_
20 x70040cds_3944-4130:in_reversesequence,_4236-4470,ron_mrna_for_tyrosine_kinase_
x85781exon_2-551,nos2_gene,_exon_27/_gb=x85781/_ntype=dna/_annot=exon
y10055cds_2802-3096:in_reversesequence,_3310-3532,mrna_for_phosphoinositide_3-kinase_
Metagene 326
- 25** 110035_162-666:in_reversesequence,_684-690,crystallin_beta-b2_mrna,_complete_cds
m16594_790-904,glutathione_s-transferase_ha_subunit(gst)_mrna,_complete_cds_
u81523_1378-1870,endometrial_bleeding_associated_factor_mrna,_complete_cds.
all_y10375_1179-1706,mrna_for_sirp-alpha1
- 30** Metagene 237
- d17427_3421-3506,mrna_for_desmocollin_type_4_
d25278_2024-2510,mrna_for_kiaa0036_gene,_complete_cds
35 d26528_1017-1515,mrna_for_rna_helicase,_complete_cds_
d32202_2017-2263,mrna_for_alpha_1c_adrenergic_receptor_isoform_2,_complete_cds_
d43768_663-1197,_numan_mrna_for_scm-1_(single_cysteine_motif-1),_complete_cds_
all_d49742_2413-2984,mrna_for_hgf_activator_like_protein,_complete_cds_

- d49817_1233-1725,mrna_for_fructose_6-phosphate,2-kinase/fructose_2,6-bisphosphatase,_complete_cds
d49950_495-918,liver_mrna_for_interferon-gamma_inducing_factor(igif),_complete_cds_
d64158_415-
- 5 668:not_in_gb_record,mrna_for_atp_binding_protein_associated_with_cell_differentiation,_p
d82061_357-876,b-cell_mrna_for_a_member_of_the_short-chain_alcohol_dehydrogenase_family,_partial_cds
d82343_474-960,mrna_for_amy,_complete_cds
d88270exon#2_89-293:in_reversesequence,_18899-
- 10 19103,(lambda)_dna_for_immunoglobulin_light_chain
hg1804-ht1829_at_hg1804-ht1829_ornithine_aminotransferase-like
hg2367-ht2463_s_at_hg2367-ht2463_trithorax_homolog_hrx_
hg2416-ht2512_at_hg2416-ht2512_gal_beta_1,3(4)glcnac_alpha2,3-sialyltransferase
hg2562-ht2658_s_at_hg2562-ht2658_a-myb_
- 15 hg2689-ht2785_at_hg2689-ht2785_mucin_5b,_tracheobronchial
hg3364-ht3541_at_hg3364-ht3541_ribosomal_protein_l37_
hg4102-ht4372_at_hg4102-ht4372_n-ethylmaleimide-sensitive_factor_
hg4115-ht4385_at_hg4115-ht4385_olfactory_receptor_or17-210_
hg4333-ht4603_at_hg4333-ht4603_zinc_finger_protein_znf7
- 20 hg961-ht961_at_hg961-ht961_guanine_nucleotide_exchange_factor_
j00073exon#2_132-255:not_in_gb_record,alpha-cardiac_actin_gene,_5'_flank_and
j00306cds_40-304:in_reversesequence,_1168-2537,somatostatin_i_gene_and_flanks_
l40371mrna_661-1075,thyroid_receptor_interactor_(trip4)_mrna,_3'_end_of_cds_
l42354mrna_25-409,(clone_48es4)_mrna_fragment/gb=l42354_/ntype=ma
- 25 l42451mrna_947-1397,pyruvate_dehydrogenase_kinase_isoenzyme(pdk2)_mrna,_complete_cds_
l77559mrna_55-403,dgs-b_partial_mrna/gb=l77559_/ntype=ma_
m12963mrna_871-985,i_alcohol_dehydrogenase_(adh1)_alpha_subunit_mrna,_complete_cds_
m14091mrna_1209-1731,thyroxine-binding_globulin_mrna,_complete_cds_
m14123cds#2_830-1280,_pol_fromendogenous_retrovirus_herv-
- 30 k10/gb=m14123_/ntype=dna_/annot=cds,_pol_fr
m14123cds#3_13-175,_pol_fromendogenous_retrovirus_herv-
k10/gb=m14123_/ntype=dna_/annot=cds,_pol_from
m25629_270-846,kallikrein_mrna,_complete_cds,_clone_clone_phkk25_
m25809_1358-1817,endomembrane_proton_pump_subunit_mrna,_complete_cds_
m26958_46-235,parathyroid_hormone-related_protein_(pthrp)_mrna,_5'_flank,_clone_pbrf52/gb=m26958_/nt
- 35 m29194cds_1090-1408:in_reversesequence,_175-223,triglyceride_lipase_gene
m29994exon#1_2-80,alpha-i_spectrin_gene,_exon/gb=m29994_/ntype=dna_/annot=exon_
m31241_s_at_m31241_m31241,not_in_gb_record,complement_receptor(cr1)_gene_

- m60721mrna_1630-2182,homeobox_gene_complete_cds_
m62982_1795-2299,arachidonate_12-lipoxygenase_mrna_complete_cds_
m63603_1052-1574,phospholamban_mrna_complete_cds
m63928_645-1161,t_cell_activation_antigen_(cd27)_mrna_complete_cds_
5 m74093_1283-1685,cyclin_mrna_
m83664_1098-1416,mhc_ii_lymphocyte_antigen_(hla-dp)_beta_chain_mrna_complete_cds
m89914_8414-8952,neurofibromin_(nfl)_gene_complete_cds
m93283_898-1438,pancreatic_lipase_related_protein(plrp1)_mrna_complete_cds_
m99438_1768-2332,transducin-like_enhancer_protein_(tle3)_mrna_complete_cds
10 s69115_250-808,granulocyte_colony-
stimulating_factor_induced_gene_[human_cml_patient_bone_marrow_
s76756_510-954,4r-map2=microtubule-
associated_protein4r_isoform_[human_brain_mrna_partial_1012_n
u00944_1121-1619,clone_a9a2brb6_(cac)n/(gtg)n_repeat-containing_mrna_
15 u04806_247-787,flt3/flk2_ligand_mrna_complete_cds.
u09367_1942-2449,zinc_finger_protein_znf136
u20230exon_7-127,guanyl_cyclase_c_gene_partial_cds/gb=u20230/_ntype=dna/_annot=exon_
u23430exon_172-496:in_reversesequence,_793-994,cholecystokinin_type_a_receptor_(cck-a)_gene
u33052_2643-3212,lipid-activated_protein_kinase_prk2_mrna_complete_cds_
20 u34038_880-1390,proteinase-activated_receptor-2_mrna_complete_cds_
u37143_1256-1832,cytochrome_p450_monooxygenase_cyp2j2_mrna_complete_cds_
all_u37219_2132-2583,cyclophilin-like_protein_cyp-60_mrna_complete_cds
u40223cds_660-
1068:in_reversesequence,_1548,uridine_nucleotide_receptor_(unr)_gene_complete_cds
25 u47011mrna#1_581-791:in_reversesequence,_751-
961,_fgf8_gene_(fibroblast_growth_factorprecursor)_extr
u48707_123-597,protein_phosphatase-1_inhibitor_mrna_complete_cds
u50527_1493-1891,brca2_region_mrna_sequence_cg018_
u59286_49-439,beta-r1_mrna_partial_cds/gb=u59286/_ntype=rna_
30 u59321_1625-1967,dead-box_protein_p72_(p72)_mrna_complete_cds_
u60519_2965-3499,apoptotic_cysteine_protease_mch4_(mch4)_mrna_complete_cds
u66048mrna_2400-2838,clone_161455-2-3_b_cell_expressed_mrna_from_chromosome_x
u66088_1895-2369,sodium_iodide_symporter_mrna_complete_cds
u71088_1325-1586,map_kinase_kinase_mek5c_mrna_complete_cds
35 u75272_743-1283,gastriecin_mrna_complete_cds
u75276_2760-3225,tifib_related_factor_hbrf_(hbrf)_mrna_complete_cds.
u79115_337-886,death_adaptor_molecule_raidd_(raidd)_mrna_complete_cds.
u79253_734-1100,clone_23893_mrna_complete_cds.

- u90306_13-175,iroquois-class_homeodomain_protein_irx-
 4_mrna_partial_cds/gb=u90306_/ntype=rna
 u96629mrna#1_1142-
 1658_2a8.2_gene_(unknown_protein_cit987sk_2a8_1)_extracted_fromchromosomebac_clon
- 5 all_x00588_5021-5514,mrna_for_precursor_of_epidermal_growth_factor_receptor
 x02612mrna#3_656-1184,gene_for_cytochrome_p(1)-450_
 all_x03663_3391-3824,mrna_for_c-fms_proto-oncogene_
 x17254cds_911-1211:in_reversesequence,_1335-1449,mrna_for_the_transcription_factor_eryfl
 x54673cds_1493-1775:in_reversesequence,_2015-2135,gat1_mrna_for_gaba_transporter
- 10 all_x65873_3040-3551,mrna_for_kinesin_(heavy_chain)
 x65977cds_118-268:in_reversesequence,_325-499,mrna_for_corticostatin_hp-4_precursor_
 all_x74301_4170-4479,mrna_for_mhc_ii_transactivator
 all_x78416_369-921,alpha-s1-casein_mrna
 all_x80878_4120-4349,r_kappa_b_mrna
- 15 all_x82895_2890-3425,mrna_for_dlg2_
 x95190cds_1574-1958:in_reversesequence,_2170,mrna_for_branched_chain_acyl-coa_oxidase_
 x97302mrna_40-235,mrna_for_ptg-1_protein/gb=x97302_/ntype=rna
 x99393cds_292-552:in_reversesequence,_655-787,cmkbr5_gene,_non-functional_mutant
 y11999cds_31-358,mrna_for_inositol_1,4,5-trisphosphate_3-kinase/gb=y11999_/ntype=rna
- 20 z29090cds_2967-3183:in_reversesequence,_3201-3393,mrna_for_phosphatidylinositol_3-kinase
 z69923cds_1572-1818:in_reversesequence,_6905-
 7019,dna_sequence_from_cosmid_1219f9,_huntington's_dise
 z84483cds_1166-1676,dna_sequence_from_pac_46h23,_brca2_gene_region_chromosome_13q12-
 13_contains_klot
- 25 Metagene 218
- d89377_1587-2148,mrna_for_msx-2,_complete_cds,mrna_for_msx-2,_complete_cds
 l01042_2723-3209,hiv1_tata_element_modulatory_factor_mrna_sequence_from_chromosome_3_
 30 l02932_1331-1829,peroxisome_proliferator_activated_receptor_mrna,_complete_cds_
 l40636_3438-3822,(clone_fbk_iii_16)_protein_tyrosine_kinase_(net_ptk)_mrna,_complete_cds
 l77571mrna_1738-2218,dgs-a_mrna,_3'_end_
 m13207exon#2-4_6-288:in_reversesequence,_2583:not_in_gb_record,granulocyte-
 macrophage_colony-stimula
- 35 all_m19159_3664-4193,placental_heat-stable_alkaline_phosphatase_(plap-1)_gene,_complete_cds
 m20681mrna#2_3326-3842,glucose_transporter-like_protein-iii_(glut3),_complete_cds
 m21934_at_m21934_m21934,not_in_gb_record,rearranged_and_truncated_ig_gamma_heavy_chain
 disease(riv)

- m22005cds_49-367,interleukingene_clone_pattacil-2c/2tt_complete_cds_clone_pattacil-2c/2tt/gb=m220
- m28210_356-686,gtp-binding_protein_(rab3a)_mrna_complete_cds_
- m30894_1015-1513,t-cell_receptor_ti_rearranged_gamma-chain_mrna_v-j-c_region_complete_cds_
- 5 m62800mrna_1350-1827,52-kd_ss-a/ro_autoantigen_mrna_complete_cds
- u28833_1571-2075,down_syndrome_critical_region_protein_(dscr1)_mrna_complete_cds
- u47292exon_120-564,spasmolytic_polypeptide_(sp)_gene_5'_region_and
- u64675_1439-1853,sperm_membrane_protein_bs-63_mrna_complete_cds_
- u66838_1138-1594,cyclin_a1_mrna_complete_cds
- 10 u67614_at_u67614_u67614,not_in_gb_record,sinusoidal_reduced_glutathione_transporter-associated_prote
- all_x54457_2328-2416,mrna_for_bile-salt-stimulated_lipase_(bssl)(ec_3.1.1.3)
- all_x59656_1286-1827,crk-like_gene_crkl
- all_x76342_1484-2019,adh7_mrna_
- 15 all_x78926_1271-1812,hzf3_mrna_for_zinc_finger_protein_
- x79568cds_1038-1314:in_reversesequence_1399-1627,bdp1_mrna_for_protein-tyrosine-phosphatase_
- all_y00787_1314-1469,mrna_for_mdncf(monocyte-derived_neutrophil_chemotactic_factor)_
- all_z29074_1968-2269,mrna_for_cytokeratin_9
- 20
- Metagene 377
- d49488_640-1138,mrna_for_alpha-tocopherol_transfer_protein_complete_cds_
- l34363cds_3540-3847:in_reversesequence_4791-4896,x-
- 25 linked_nuclear_protein_(xnp)_gene_complete_cds_
- l39064mrna_3922-4348,interleukinreceptor_(il9r)_gene_complete_cds
- m20218exon_15-249:not_in_gb_record,coagulation_factor_xi_gene_
- m26665_267-484,histatin(his2)_mrna_complete_cds,histatin(his2)_mrna_complete_cds
- m59499mrna#1_3549-3891,lipoprotein-associated_coagulation_inhibitor_(laci)_gene
- 30 m61176_1093-1549,brain-derived_neurotrophic_factor_(bdnf)_mrna_complete_cds_
- u02632_2711-3047,calcium-activated_potassium_channel_mrna_partial_cds_
- u27193_1872-2346,protein-tyrosine_phosphatase_mrna_complete_cds_
- Metagene 96
- 35 hg2668-hi2764_at_hg2668-hi2764_bradykinin_receptor_
- u58032_1007-
- 1322,myotubularin_related_protein(mtmr1)_gene_partial_cds/gb=u58032/_ntype=dna/_annot=c
- u89012_2087-2639,dentin_matrix_acidic_phosphoprotein(dmpl)_mrna_complete_cds

Metagene 63

- d55638_227-659,b-cell_pabl_(pseudoautosomal_boundary-like_sequence)_mrna_clone_bc4/gb=d55638_/ntype
- 5 d78261_1293-1433,icsat_transcription_factor_mrna_partial_cds_similar_to_mouse_pip/lisrf_(irf-4)_s
- hg1437-ht1437_s_at_hg1437-ht1437_proto-oncogene_trk
- hg2825-ht2949_at_hg2825-ht2949_ret_transforming_gene
- 10 hg3570-ht3773_at_hg3570-ht3773_protein_phosphatase_inhibitor_homolog
- hg668-ht4793_at_hg668-ht4793_t-cell_factor_1_a/b/c_altsplice_1_a
- j04430mrna_794-1350,tartrate-resistant_acid_phosphatase_typemrna_complete_cds
- l08187_551-1079,cytokine_receptor_(ebi3)_mrna_complete_cds
- l34059_2447-3017,cadherin-4_mrna_complete_cds
- 15 m37984mrna_97-589,slow_twitch_skeletal_muscle/cardiac_muscle_troponin_c_gene_complete_cds
- m57506mrna_25-481_scyl1_gene_(secreted_protein_i-309)_extracted_fromsecreted_protein_(i-309)_gene
- m74089_1911-2271,tb1_gene_mrna_3'_end
- s77094_1075-
- 20 l621_nicotinic_acetylcholine_receptor_alpha_subunit|achr_alpha_subunit_[human_thymic_c
- s80050mrna_653-1133_udp-n-acetylglucosamine:alpha-6-d-mannoside_beta-1,6-n-acetylglucosaminyltrans
- s82185_419-905_brag-1=brain-related_apoptosis_gene/bcl-2_homolog_[human_mg-
- 107_glioma_mrna_partia
- 25 u00928_611-1151,clone_ce29_4.1_(cac)n/(gtg)n_repeat-containing_mrna
- u09412_1619-2045,zinc_finger_protein_znf134_mrna_complete_cds
- u11878_4-169,interleukin-
- 8_receptor_type_b_(il8rb)_mrna_splice_variant_il8rb10_partial_cds/gb=u118
- u12775exon_156-342:not_in_gb_record,agouti_gene
- 30 u13022_1572-2124,negative_regulator_of_programmed_cell_death_ich-1s_(ich-
- 1)_mrna_complete_cds
- u15306_3076-3466,cysteine-rich_sequence-specific_dna-binding_protein_nfx1_mrna_complete_cds
- u18259_6077-6647,clone_ciita-8_mhc_ii_transactivator_ciita_mrna_complete_cds
- 35 u22178_3-321,prostatic_secretory_protein_57_mrna_complete_cds/gb=u22178_/ntype=ma
- u28488_1344-1847,putative_g_protein-coupled_receptor_(az3b)_mrna_complete_cds
- u34877_511-997,biliverdin-ixalpha_reductase_mrna_complete_cds
- u43959_758-815,betaadducin_mrna_alternatively_spliced_partial_cds
- u77129_2447-2975,sps1/ste20_homolog_khs1_mrna_complete_cds

- u79247_1157-1559,clone_23599_mrna_sequence_
u83115_6327-6753,non-lens_beta_gamma-crystallin_like_protein_(aim1)_mrna_partial_cds
u85430_3114-3279,transcription_factor_nfata4_mrna_complete_cds
x04327mrna_1084-1564,erythrocyte_2,3-bisphosphoglycerate_mutase_mrna_ec_2.7.5.4
5 all_x13255_2280-2725,mrna_for_dopamine_beta-hydroxylase_type_a_(ec_1.14.17.1)
x15393mrna_19-541,motilin_gene_exon(and_joined_cds)
x59711cds_626-998:in_reversesequence,_1244-1280,mrna_for_caat-
box_dna_binding_protein_subunit_a_
x67337_2825-3365,hpbrii-4_mrna_
10 all_x69636_1268-1951,mrna_sequence_(15q11-13)
all_x78933_1420-1970,hzfl0_mrna_for_zinc_finger_protein
x83441mrna_2724-3102,mrna_for_dna_ligase_iv
all_x90568_81371-81864,mrna_for_titin_protein_(clone_hh1-hh54)_
all_x91868_915-1378,mrna_for_six1_protein
15 all_x96754_846-1051,gene_encoding_kappa_light_chain_constant_region
x98206mrna_55-277:in_reversesequence,_307,mrna_for_uv-
b_repressed_sequence,_hur/gb=x98206_/ntype=rna

Metagene 77
20
u12767_4598-4922,mitogen_induced_nuclear_orphan_receptor_(minor)_mrna_complete_cds
u79298_928-1312,clone_23803_mrna_partial_cds
x58987mrna_1801-2299,mrna_for_d-1_dopamine_receptor
all_x97671_31-566,mrna_for_erythropoietin_receptor_
25
Metagene 380

m27281_642-1116,vascular_permeability_factor_mrna_complete_cds
m75110_814-1312,h,k-atpase_beta_subunit_mrna_complete_cds_
30 m99487_2039-2555,prostate-specific_membrane_antigen_(psm)_mrna_complete_cds_
u73704_1248-1764,48_kda_fkbp-associated_protein_fap48_mrna_complete_cds

Metagene 229

35 m27160mrna_1441-1879,tyrosinase_(tyr)_mrna_complete_cds_
m64590_3317-3737,glycine_decarboxylase_mrna_complete_cds
u26712_2910-3318,cbl-b_truncated_formlacking_leucine_zipper_mrna_complete_cds

Metagene 345

d00632_1032-1470,plasma_(extracellular)_mrna_for_glutathione_peroxidase,_complete_cds
 d38145_1418-1952,mrna_for_prostacyclin_synthase,_complete_cds
 s77812_148-

- 5 211,flt=vascular_endothelial_growth_factor_receptor/vegf_receptor/cell_surface_tyrosine_
 u05861exon_50-243:not_in_gb_record,hepatic_dihydrodiol_dehydrogenase_gene_

Metagene 327

- 10 hg4167-ht4437_at_hg4167-ht4437_nuclear_factor_1,_a_type
 hg855-ht855_s_at_hg855-ht855_dna_excision_repair_protein_erc6_
 j05037_918-1368,serine_dehydratase_mrna,_complete_cds
 j05401_1158-1554,sarcomeric_mitochondrial_creatine_kinase_(mtck)_gene,_complete_cds
 l46353mrna_6579-7077,high-mobility_group_phosphoprotein_(hmgi-c)_gene,_exons_3-jan
 15 u10886_4762-5068,density_enhanced_phosphatase-1_mrna,_complete_cds_
 u22233_1659-2166,methylthioadenosine_phosphorylase_(mtap)_mrna,_complete_cds_
 all_x03350_1973-2514,mrna_for_alcohol_dehydrogenase_beta-1-subunit_(adh1-2_allele)_
 z94753exon_92-444:in_fullsequence,_1246-
 1265,dna_sequence_from_pac_465g10_on_chromosome_x_contains_m

20

Metagene 187

- 108835mrna#1_3166-
 3367_dm_kinase_gene_(myotonic_dystrophy_kinase)_extracted_frommyotonic_dystrophy_
 25 all_m19311_876-1059,calmodulin_mrna,_complete_cds,calmodulin_mrna,_complete_cds_
 u53506_1344-1836,type_ii_iodothyronine_deiodinase_mrna,_complete_cds.

Metagene 490

- 30 af005775_275-755,caspase-
 like_apoptosis_regulatory_protein(clarp)_mrna,_alternatively_spliced,_compl
 l35269exon_1602-2040,zinc_finger_protein_35_(znf35)_gene
 u32499_848-929,d3_dopamine_receptor_mrna,_complete_cds.
 u78107_667-1105,gamma_snap_mrna,_complete_cds
 35 u85946_2030-2288,brain_secretory_protein_hsec10p_(hsec10)_mrna,_complete_cds_

Metagene 484

ab003177_604-1096,mrna_for_proteasome_subunit_p27,_complete_cds

- hg3187-ht3366_s_at_hg3187-ht3366_tyrosine_phosphatase_1_non-receptor_altsplice_3_hg3546-ht3744_s_at_hg3546-ht3744_pre-mrna_splicing_factor_sf2p33_altsplice_form_1_m19650_1446-1700,2',3'-cyclic_nucleotide_3'-phosphodiesterase_mrna_complete_cds_s62904_2130-
- 5** 2523_thiopurine_methyltransferase [human_t84_colon_carcinoma_cell_mrna_2742_nt]_u47007_1818-2250,transcriptional_repressor_(nab1)_nab1_mrna_complete_cds_u51004_166-508,putative_protein_kinase_c_inhibitor_(pkci-1)_mrna_complete_cds_u90304_1272-1782,iroquois-class_homeodomain_protein_irx-2a_mrna_complete_cds_z93784cds_702-
- 10** 1008:in_reversesequence_58791:not_in_gb_record,dna_sequence_from_pac_398c22_on_chromo
- Metagene 480
- d38500_574-958,pms6_mrna_(yeast_mismatch_repair_gene_pms1_homologue)_partial_cds_(c-terminal_region
- 15** hg1751-ht1768_s_at_hg1751-ht1768_chorionic_somatotropin_hormone_cs-5_hg1783-ht1803_s_at_hg1783-ht1803_islet_amyloid_polypeptide_hg4116-ht4386_s_at_hg4116-ht4386_olfactory_receptor_or17-219_114813_856-1147,carboxyl_ester_lipase_like_protein_(cell)_mrna_complete_cds_
- 20** l76703mrna_2687-3245,b56epsilon_mrna_complete_cds_m26856cds_1126-1456:in_reversesequence_3467-3600,21-hydroxylase_b_gene_complete_cds_all_m60746_531-844,histone_h3.1_(h1f3)_gene_complete_cds_s52028_582-1141,cystathionine_gamma-lyase_{clone_hcl-1}_{human_liver_mrna_1194_nt}s68271_891-1191_crem=cyclic_amp-responsive_element_modulator_[human_mrna_1431_nt]
- 25** u03886_2214-2730,gs2_mrna_complete_cds_u10685exon#2_992-1142:in_reversesequence_3043-3271,mage-10_antigen_(mage10)_gene_complete_cds_u47050_2888-3296,putative_calcium_influx_channel_(htrp3)_mrna_complete_cds_u49114_2196-2700,prohormone_convertaseprecursor_(pc5)_mrna_partial_cds_
- 30** u58522_1608-2124,huntingtin_interacting_protein_(hip2)_mrna_complete_cds_u66036_732-1236,sulfotransferase_mrna_complete_cds_u74382_1317-1900,telomeric_repeat_dna-binding_protein_(pin2)_mrna_complete_cds_u84573_2882-3422,lysyl_hydroxylase_isoform(plod2)_mrna_complete_cds_u87593_f_at_u87593_u87593_4040_in_u87593_31-
- 35** 568,endogenous_retrovirus_clone_p1.8_polymerase_mrna_p_all_x16546_724-1319,dna_for_eosinophil_derived_neurotoxin_x17576cds_802-1078:in_reversesequence_1233-1389,melanoma_mrna_for_nck_protein_showing_homology_to_all_z22970_4355-4674,mrna_for_m130_antigen_cytoplasmic_variant_2_

Metagene 477

- ab000897_43-373,mrna_for_cadherin_fib3_partial_cds/gb=ab000897/_ntype=rna
- 5 hg3033-ht3194_at_hg3033-ht3194_spliceosomal_protein_sap_62_
hg3426-ht3610_s_at_hg3426-ht3610_zinc_finger_protein_hzf-16_kruppel-like_altsplice_1_
l24559_1634-2078,dna_polymerase_alpha_mrna_complete_cds
u07139_2039-2459,voltage-gated_calcium_channel_beta_subunit_mrna_complete_cds_
u36500_2741-3209,lymphoid-specific_sp100_homolog_(lysp100-b)_mrna_complete_cds
- 10 u46767_288-768,monocyte_chemoattractant_protein-4_precursor_(mcp-4)_mrna_complete_cds_
all_u60269_13-524,endogenous_retrovirus_herv-
k(hml6)_proviral_clone_hml6.17_putative_polymerase_and_
x76223exon_2-540,mal_gene_exon_4.
x89267exon#10_225-
- 15 312,dna_for_uroporphyrinogen_decarboxylase_gene/gb=x89267/_ntype=dna/_annot=exon_
x90978_1187-1751,mrna_for_an_acute_myeloid_leukaemia_protein_(1793bp)

Metagene 467

- 20 d38502_850-1120,pms4_mrna_(yeast_mismatch_repair_gene_pms1_homologue)_partial_cds_(c-
terminal_regio
d84145_458-980,ws-3_mrna_complete_cds_
hg1828-ht1857_at_hg1828-ht1857_nexin_glia-derived_
hg3513-ht3707_at_hg3513-ht3707_myosin_heavy_polypeptide_light_meromyosin_
- 25 hg3954-ht4224_s_at_hg3954-ht4224_landsteiner-wiener_blood_group_glycoprotein_(lw)
hg4114-ht4384_at_hg4114-ht4384_olfactory_receptor_or17-209_
reverse_j04742_384-607:in_j04742cds_49-110,autonomous_replicating_sequence_h1_(arsh1)_
l03785_72-582,regulatory_myosin_light_chain_(myl5)_mrna_complete_cds
all_l26336_2691-3220,heat_shock_protein_hspa2_gene_complete_cds_
- 30 l35253_972-1047,p38_mitogen_activated_protein_(map)_kinase_mrna_complete_cds
l40388mrna_195-
675,thyroid_receptor_interactor_(trip15)_mrna_5'_end_of_cds/gb=l40388/_ntype=rna
all_m21388_2-95,unproductively_rearranged_ig_mu-chain_mrna_v-region_(vd)_5'_end_clone_mu-
3a1a.unp
- 35 m21984_441-951,(clone_pwhnt16)_skeletal_muscle_troponin_t_mrna_complete_cds
m31523_4155-4353,transcription_factor_(c2a)_mrna_complete_cds_
m33653_467-965,(clones_ht-[125,133])_alpha-2_type_iv_collagen_(col4a2)_mrna_complete_cds
m62840mrna_1755-2175,acyloxyacyl_hydrolase_mrna_complete_cds
m65134mrna_3588-4102,complement_component_c5_mrna_3'_end

- m90391_1736-2866,putative_il-16_protein_precursor, mrna, complete_cds
s66427_4218-4764,_rbp1=retinoblastoma_binding_protein[human,_nalm-6_pre-
b_cell_leukemia, mrna, 4834_
s70609_1781-2339,_glycine_transporter_type_1b_[human,_substantia_nigra, mrna, 2364_nt]
5 s81264_50-243,_hs-tbx2=t-box_gene_{t-
box_region}_[human,_fetal_kidney, mrna_partial, 283_nt]/gb=s812
u03486cds_625-1045:in_reversesequence, 1121-1211,connexin40_gene, complete_cds
u06632_2039-2579,p80-coilin_mrna, complete_cds_
u16997_1218-1764,orphan_receptor_ror_gamma_mrna, complete_cds
10 u19487_1843-2329,prostaglandin_e2_receptor_mrna, complete_cds
u21936_2630-3038,peptide_transporter_(hpept1)_mrna, complete_cds_
u27459_2534-2984,origin_recognition_complex_protein homolog_horc21_mrna, complete_cds
u43318_1805-2291,putative_transmembrane_receptor_(frizzled_5)_mrna, complete_cds_
u51010exon_17-222,nicotinamide_n-
15 methyltransferase_gene, exonand_5'_flanking_region/gb=u51010_/ntype
u59289_3350-3824,h-cadherin_mrna, complete_cds_
u61374_1265-
1715,novel_protein_with_short_consensus_repeats_of_six_cysteines_mrna, complete_cds
u61836mrna_540-972,putative_cyclin_g1_interacting_protein_mrna, partial_sequence_
20 u62317mrna#7_2016-
2532,_hypothetical_protein_384d8gene_extracted_from_chromosome_22q13_bac_clone_cit
u66617_2252-
2786,swi/snf_complex_60_kda_subunit_(baf60a)_mrna, alternatively_spliced, complete_cds_
u78027mrna#4_1964-2372,_144l_gene_(144-
25 like_ribosomal_protein)_extracted_frombruton_tyrosine_kinase_
u82256_1325-1823,arginase_type_ii_mrna, complete_cds_
u82303_25-313,unknown_protein_mrna, partial_cds/gb=u82303_/ntype=rna_
u95020_1276-1786,voltage-dependent_calcium_channel_beta-4_subunit_mrna, complete_cds.
x04898mrna_49-445,gene_for_apolipoprotein_aII_
30 all_x52056_778-1304,mrna_for_spi-1_proto-oncogene
x59770mrna_685-1213,il-1r2_mrna_for_type_ii_interleukin-1_receptor,(cell_line_cb23)
x61177mrna_1495-1933,hsil5r2_gene_for_interleukin-5_receptor_type_2
x79780cds_94-622:in_reversesequence, 646,ypt3_mrna
all_z35085_1960-2506,mrna_for_unknown_antigen
35 z47055cds_437-968,partial_cdna_sequence,_farnesyl_pyrophosphate_synthetase_like-
4/gb=z47055_/ntype=d

Metagene 459

- d21853_1111-1543,mrna_for_kiaa0111_gene,_complete_cds
- d79986_4973-5513,mrna_for_kiaa0164_gene,_complete_cds
- d87077_5465-5975,mrna_for_kiaa0240_gene,_partial_cds_
- hg3076-ht3238_s_at_hg3076-ht3238_heterogeneous_nuclear_ribonucleoprotein_k,_altsplice_1
- 5 hg3514-ht3708_at_hg3514-ht3708_tropomyosin_tm30nm,_cytoskeletal
- hg4322-ht4592_at_hg4322-ht4592_tubulin,_beta_
- j02621mrna_653-1214,non-histone_chromosomal_protein_hmg-14_mrna,_complete_cds
- j04029_1450-2007,keratintype_i_intermediate_filament_(krt10)_mrna,_complete_cds_
- j04152mrna_1181-1648,_mls1_gene_extracted_fromgastrointestinal_tumor-
- 10 associated_antigen_ga733-1_prot
- l37368_1849-2359,(clone_e5.1)_rna-binding_protein_mrna,_complete_cds_
- l40397mrna_979-1267,(clone_s31i125)_mrna,_3'_end_of_cds_
- l42379mrna_2645-3155,bone-derived_growth_factor_(bpgf-1)_mrna,_complete_cds_
- m16342mrna#2_1287-
- 15 1581,nuclear_ribonucleoprotein_particle_(hnmp)_c_protein_mrna,_complete_cds_
- m19311mrna_520-1052,calmodulin_mrna,_complete_cds,calmodulin_mrna,_complete_cds_
- m23379_3723-4179,gtpase-activating_protein_ras_p21_(rasa)_mrna,_complete_cds_
- u00947_1301-1347,clone_c4e_3.2_(cac)n/(gtg)n_repeat-containing_mrna
- u06631_3269-3779,(h326)_mrna,_complete_cds_
- 20 u20998_973-1417,signal_recognition_particle_subunit(srp9)_mrna,_complete_cds_
- u35048_1159-1675,tsc-22_protein_mrna,_complete_cds_
- u35451_1643-2027,heterochromatin_protein_p25_mrna,_complete_cds
- u57877_766-1144,integral_membrane_protein_cii-
- 3_mrna,_nuclear_gene_encoding_mitochondrial_protein,_c
- 25 u77948_2714-3236,bruton_tyrosine_kinase-associated_protein-135_mrna,_complete_cds
- u79282_1087-1651,clone_23801_mrna_sequence_
- u90549_1452-1932,non-histone_chromosomal_protein_(nhe)_mrna,_complete_cds
- u90551_1071-1623,histone_2a-like_protein_(h2a/l)_mrna,_complete_cds
- u95740mrna#1_5316-
- 30 5856,_362g6.1_gene_(unknown_protein_cit987sk_362g6_1)_extracted_fromchromosome_16p
- x01703exon#4_929-1151,gene_for_alpha-tubulin_(b_alpha_1)_
- x15729cds_1538-1820:in_reversesequence,_2069-2215,mrna_for_nuclear_p68_protein
- x59405exon#12_1560-2040,_h.sapiens,_gene_for_membrane_cofactor_protein
- all_x63753_5116-5621,son-a_mrna
- 35 all_x68194_1513-2090,h-spl_mrna
- all_x72841_1378-1937,ief_7442_mrna_
- all_x74104_650-1059,mrna_for_trap_beta_subunit_
- all_x75304_9705-10252,giantin_mrna_
- x81003mrna_1032-1560,hcg_v_mrna

all_x81198_3084-3673,mrna_(clone_p5)_for_archain_
 all_x81625_3058-3617,mrna_for_c11_protein
 all_x84908_3722-3975,mrna_for_phosphorylase-kinase,_beta_subunit_
 all_x86098_2367-2704,mrna_for_bs69_protein_
5 all_x95648_1063-1658,mrna_for_eif-2b_alpha_subunit_
 all_z72499_3157-3740,mrna_for_herpesvirus_associated_ubiquitin-specific_protease_(hausp).

Metagene 446

- 10** d17391_2957-3497,mrna_for_alpha_4(iv)_collagen,_c-terminal_
 hg4582-ht4987_at_hg4582-ht4987_glucocorticoid_receptor,_beta_
 104569_8323-8890,(clone_hht-1)_l-type_voltage-
 dependent_calcium_channel_a1_subunit_(hht)_mrna,_compl
 m37815mrna#1_1079-1589,_cd28_gene_(glycoprotein_cd28)_extracted_fromt-
15 cell_membrane_glycoprotein_cd2
 z49995mrna_2014-2590,mrna_(non-coding;_clone_h2a)

Metagene 435

- 20** d14874_908-1406,mrna_for_adrenomedullin,_complete_cds
 d50857_5954-6440,dock180_protein_mrna,_complete_cds
 hg1428-ht1428_s_at_hg1428-ht1428_globin,_beta
 hg2815-ht2931_s_at_hg2815-ht2931_myosin,_light_chain,_alkali,_smooth_muscle,_non-
 muscle,_altsplice_2
25 hg3523-ht4899_s_at_hg3523-ht4899_proto-oncogene_c-myc,_altsplice_3,_orf_114
 109235_1323-1845,vacuolar_atpase_(isoform_va68)_mrna,_complete_cds_
 110838_79-499,sr_protein_family,_pre-mrna_splicing_factor_(srp20)_mrna,_complete_cds
 142601cds_1334-1665:in_reversesequence,_247-470,keratinisoform_k6c_(krt6c)_gene_
 m81637_1078-1603,grancalcin_mrna,_complete_cds_
30 s82297_3-391,_beta_2-microglobulin_{11bp_deleted_between_nucleotides_98-
 99}_{human,_colon_cancer_cel
 u07158_641-1169,syntaxin_mrna,_complete_cds
 u37518_1162-1390,tnf-related_apoptosis_inducing_ligand_trail_mrna,_complete_cds
 u43083_1408-1582,g_alpha-q_(gaq)_mrna,_complete_cds
35 u84569_647-1217,yf5_mrna,_complete_cds_
 u91327mrna_156-654,chromosome_12p15_bac_clone_cit987sk-
 99d8_complete_sequence/gb=u91327/_ntype=dna_
 x03689cds_17-255,mrna_fragment_for_elongation_factor_tu_(n-terminus)/gb=x03689/_ntype=rna
 x89399_s_at_x89399_x89399,not_in_gb_record,mrna_for_ins(1,3,4,5)p4-binding_protein

x95073_657-1119,mrna_for_translin_associated_protein_x_

Metagene 404

- 5 d87009cds#5_1325-1565:in_fullsequence,_35519-
35735,_5'_oyl1.1_gene_extracted_from(lambda)_dna_for_im
m68895mrna_858-1278,alcohol_dehydrogenasegene,_complete_cds
x54489mrna_660-1034,gene_for_melanoma_growth_stimulatory_activity_(mgsa)
all_x68242_408-889,mrna_for_hin-1

10

Metagene 338

- d50370_2047-2581,mrna_for_nucleosome_assembly_protein,_complete_cds
l43576_709-1009,(clone_est02946)_mrna_
15 m36118_491-828,cytotoxin_serine_protease-c_mrna,_complete_cds
s81419_25-
349,_dystrophin,_dystrophin_{purkinje_promoter,_alternatively_spliced}_[human,_cortical_br
u04735_1728-2184,microsomal_stress_70_protein_atpase_core_(stch)_mrna,_complete_cds
u45255mrna_1576-1952,paired-box_protein_pax2_(pax2)_gene_
20 u58331_762-1041,placental_delta_sarcoglycan_mrna,_complete_cds_
u63139_5305-5779,rad50_(rad50)_mrna,_complete_cds
x92110mrna_714-1242,mrna_for_hcgviii_protein_
z47553mrna_1761-2247,mrna_for_flavin-containing_monooxygenase(fmo5)_

25 Metagene 316

- hg172-ht3924_at_hg172-ht3924_spermidine/spermine_n1-acetyltransferase,_altsplice_2_
s79267_2828-3398,_cd4_receptor_{exonsand_2}_[human,_t-lymphocyte,_mrna,_3429_nt]
u10868_2267-2765,aldehyde_dehydrogenase_aldh7_mrna,_complete_cds_
30 u31449_773-1337,intestinal_and_liver_tetraspan_membrane_protein_(il-tmp)_mrna,_complete_cds
u57911_1693-2203,fetal_brain_(239fb)_mrna,_from_the_wagr_region,_complete_cds
u67934cds_375-501:in_reversesequence,_549-
765,44.9_kda_protein_c18b11_homolog_gene,_partial_cds
x58022mrna_803-1223,mrna_for_corticotropin-releasing_factor_binding_protein_(crf-bp)_

35

Metagene 299

s75881_234-719,_a-myb=dna-binding_transactivator_{3'_region}_[human,_ccrf-cem_t-
leukemia_line,_mrna_

z21707cds_552-912:in_reversesequence,_954-984,p18_mrna

Metagene 298

- 5 d64110_615-1161,mrna_for_tob_family,_complete_cds
hg2564-ht2660_s_at_hg2564-ht2660_gamma-aminobutyric_acid_(gaba)_a_receptor,_alpha_subunit
j04056_746-1118,carbonyl_reductase_mrna,_complete_cds
m64174_3012-3468,protein-tyrosine_kinase_(jak1)_mrna,_complete_cds_
u82319_470-980,clone_ydd19_mrna_sequence_
- 10 x67594cds_507-909:in_reversesequence,_1119-1221,mrna_for_msh_receptor_

Metagene 296

- m69177_1992-2436,monoamine_oxidase_b_(maob)_mrna,_complete_cds_
- 15 m94151_3127-3631,cadherin-associated_protein-related_(cap-r)_mrna,_complete_cds
u01102exon#1-3_4-
109:not_in_gb_record,lung_clara_cellskda_secretory_protein_(cc10)_gene,_satellite_a
u49835_832-1361,ykl-39_precursor_mrna,_complete_cds
u88898_561-757,endogenous_retroviral_h_protease/integrase-
20 derived_orf1_mrna,_complete_cds,_and_putat

Metagene 277

- ac000066cds_2985-3237:in_reversesequence,_48519-48663,bac_clone_rg293f11_from_7q21-7q22_
- 25 af000560_1220-1697,ttf-i_interacting_peptidemrna,_partial_cds.
d86958_6175-6430,mrna_for_kiaa0203_gene,_complete_cds
hg3369-ht3546_at_hg3369-ht3546_potassium_channel,_voltage-gated,_isk-
related_family,_member_1
l43575mrna_1021-1106,(clone_48a8)_mrna
- 30 m15841_492-945,u2_small_nuclear_rna-associated_b" _antigen_mrna,_complete_cds
m27878_2656-3172,dna_binding_protein_(hpf2)_mrna,_complete_cds_
m31516mrna_1492-2002,decay-accelerating_factor_mrna,_complete_cds
m34309_4410-4836,epidermal_growth_factor_receptor_(her3)_mrna,_complete_cds
m99436_1808-2246,transducin-like_enhancer_protein_(tle2)_mrna,_complete_cds
- 35 u18242_761-1265,calcium_modulating_cyclophilin_ligand_(camlg)_mrna,_complete_cds_
u51334_1840-2068,putative_rna_binding_protein_(rbp56)_mrna,_complete_cds_
u60205_1192-1726,methyl_sterol_oxidase_(erg25)_mrna,_complete_cds
u65928_711-1125,jun_activation_domain_binding_protein_mrna,_complete_cds_
u82279_1505-2069,immunoglobulin-like_transcriptmrna,_complete_cds_

- u91521_2098-2470,peroxin(hspex12)_mrna,_complete_cds.
 all_x79353_1624-2189,xap-4_mrna_for_gdp-dissociation_inhibitor_
 all_x80754_1279-1862,mrna_for_gtp-binding_protein
 x81851cds_26-326,_hsapiens_il-4_gene_splice_variant/gb=x81851/_ntype=ma
5 all_x83543_7066-7427,apxl_mrna_
 x90999cds_390-726:in_reversesequence,_828-942,mrna_for_glyoxalase_ii
 all_x99584_197-630,mrna_for_smt3a_protein
 all_y00291_2443-2888,hap_mrna_encoding_a_dna-binding_hormone_receptor
 all_y07566_951-1066,mrna_for_rit_protein_
10
 Metagene 270
 d45917_634-1120,mrna_for_timp-3,_partial_cds_(c-terminus_region)_
 d83174_1524-1896,mrna_for_collagen_binding_protein_2,_complete_cds_
15 d86479_2250-2814,mrna_for_aebp1_gene,_complete_cds_
 d87258_1489-1999,cancellous_bone_osteoblast_mrna_for_serin_protease_with_igf-
 binding_motif,_complete
 hg2197-ht2267_s_at_hg2197-ht2267_collage,_type_vii,_alpha_1
 hg3543-ht3739_at_hg3543-ht3739_insulin-like_growth_factor_
20 hg987-ht987_at_hg987-ht987_mac25_
 j02611mrna_208-766,apolipoprotein_d_mrna,_complete_cds_
 j03040_1508-2000,sparc/osteonectin_mrna,_complete_cds
 j03278_5029-5485,platelet-derived_growth_factor_(pdgf)_receptor_mrna,_complete_cds_
 l32137_1910-2309,germline_oligomeric_matrix_protein_(comp)_mrna,_complete_cds
25 l36033_2929-3343,pre-b_cell_stimulating_factor_homologue_(sdf1b)_mrna,_complete_cds
 m11718_716-1274,alpha-2_type_v_collagen_gene,_3'_end_
 m16279mrna_757-1153,mic2_mrna,_complete_cds
 m25269_1791-2211,tyrosine_kinase_(elk1)_oncogene_mrna,_complete_cds_
 m55593mrna#1_2600-2936,collagenase_type_iv_(clg4)_gene_
30 m85289_14032-14302,heparan_sulfate_proteoglycan_(hspg2)_mrna,_complete_cds_
 m96233exon#8_114-467,glutathione_transferase_mu_number(gstm4)_gene,_complete_cds
 all_u14394_4004-4533,tissue_inhibitor_of_metalloproteinases-3_mrna,_complete_cds_
 u16306_10722-11142,chondroitin_sulfate_proteoglycan_versican_v0_splice-
 variant_precursor_peptide_mrn
35 u24389cds_1495-1696:in_reversesequence,_207-339:not_in_gb_record,lysyl_oxidase-
 like_protein_gene_
 u60115_1863-2211,skeletal_muscle_lim-protein_slim1_mrna,_complete_cds
 u77846mrna_979-
 l356,elastin_gene,_partial_cds_and_partial_3'_utr,elastin_gene,_partial_cds_and_parti

all_x15880_1690-2273,mrna_for_collagen_vi_alpha-1_c-terminal_globular_domain_
 x15882cds_984-1230:in_reversesequence,_1272-1554,mrna_for_collagen_vi_alpha-2_c-
 terminal_globular_do
 x79683cds_4908-5361:in_reversesequence,_5594-5620,lamb2_mrna_for_beta2_laminin
5 x86693mrna_2171-2675,mrna_for_hevin_like_protein_
 z48199exon#4_1510-2026,syndecan-1_gene_(exons_2-5)_
 z49269exon#1-3_76-199:not_in_gb_record,gene_for_chemokine_hcc-1_

Metagene 265

10

d84110_1113-1515,mrna_for_werner_syndrome-1/type_4_complete_cds_
 d86982_5824-6286,mrna_for_kiaa0229_gene_partial_cds_
 hg4518-ht4921_at_hg4518-ht4921_transcription_factor_btf3_homolog_
 x04085mrna_1684-
15 2236,gene_for_catalase(ec_1.11.1.6)_5' flank_and_exonmapping_to_chromosome_11_band
 x67098exon#8_40-454,rt_alpha_mrna_containing_four_open_reading_frames_

Metagene 247

20

d86983_5131-5485,mrna_for_kiaa0230_gene_partial_cds_
 hg142-ht142_at_hg142-ht142_modulator_recognition_factor_
 hg3995-ht4265_at_hg3995-ht4265_cpg-enriched_dna_clone_s19_
 j04599_1078-1630,hpgi_mrna_encoding_bone_small_proteoglycan_i (biglycan)_complete_cds_
 j05243_7216-7732,nonerythroid_alpha-spectrin (sptan1)_mrna_complete_cds_

25

l06139_3573-4083,receptor_protein-tyrosine_kinase (tek)_mrna_complete_cds
 l41143_1635-2085,expressed_pseudo_tcta_mrna_at_t(1;3)_translocation_site_complete_cds
 m13194mrna_586-1006,excision_repair_protein (ercc1)_mrna_complete_cds_clone_pcde_
 m25079_163-230,sickle_cell_beta-globin_mrna_complete_cds
 m57609mrna_4490-5012,dna-binding_protein (gli3)_mrna_complete_cds_

30

x15306mrna_3269-3707,nf-h_gene_exon(and_joined_cds)_
 x75546cds_626-926:in_reversesequence,_1204,mrna_for_fibromodulin
 z83799_15-239,mrna_for_axonemal_dynein_heavy_chain (partial_id_hdhcl).
 all_z84721_30317-
 34635,dna_sequence_from_cosmid_gg1_from_a_contig_from_the_tip_of_the_short_arm_of_c

35

Metagene 243

m60974_731-1304,growth_arrest_and_dna-damage-
 inducible_protein (gadd45)_mrna_complete_cds_

all_x14894_826-1385,mrna_for_myogenic_factor_myf-5_

Metagene 242

- 5 d10704_1969-2365,mrna_for_choline_kinase_
d13413mrna_578-617,mrna_for_tumor-
associated_120_kda_nuclear_protein_p120,_partial_cds(carboxyl_term
d13900_748-1234,mrna_for_mitochondrial_short-chain_enoyl-coa_hydratase,_complete_cds_
d64108_1595-2079,mrna_for_dmc1_homologue,_complete_cds_
- 10 hg3999-ht4269_at_hg3999-ht4269_retinoic_acid_receptor,_beta_isoform_1_
j03071cds#3_151-604:in_reversesequence,_14327-28953,_growth_hormone_gh-
1_gene_extracted_fromgrowth_h
l13042exon#2-3_11-216:not_in_gb_record,calbindin_d-9k_gene,_5'_end_cds_
l14778_1665-2225,calmodulin-
- 15 dependent_protein_phosphatase_catalytic_subunit_(ppp3ca)_mrna,_complete_
l37043mrna_742-1294,casein_kinase_i_epsilon_mrna,_complete_cds
l46720cds_2231-2557:in_reversesequence,_2650-2828,autotaxin-t_(atx-t)_gene,_complete_cds
all_m55420_605-897:in_m55420cds_109-140,ige_chain,_lastexons_
m63904mrna_1519-2029,g-alphaprotein_mrna,_complete_cds_
- 20 m65066_1903-2323,camp-dependent_protein_kinase_regulatory_subunit_ri-beta_mrna,_3'_end_
m75099_25-493,rapamycin-_and_fk506-binding_protein,_complete_cds_
m87338_1120-1660,replication_factor_40-kda_subunit_(a1)_mrna,_complete_cds
s68616_4005-4491,_na⁺/h⁺_exchanger_nhe-1_isoform_[human,_heart,_mrna,_4516_nt]
u20530_47-593,bone_phosphoprotein_spp-
- 25 24_precursor_mrna,_complete_cds/gb=u20530_/ntype=rna_
u22398_1030-1468,cdk-inhibitor_p57kip2_(kip2)_mrna,_complete_cds_
u33839_at_u33839_u33839,not_in_gb_record,potassium_channel_mrna,_complete_cds/gb=u33839_
/ntype=rna
u61262_4667-5195,neogenin_mrna,_complete_cds_
- 30 u66619_1165-1699,swi/snf_complex_60_kda_subunit_(baf60c)_mrna,_complete_cds
u82313_133-439,unknown_protein_mrna,_partial_cds/gb=u82313_/ntype=rna
x69391cds_395-821,mrna_for_ribosomal_protein_l6
all_x82693_134-681,mrna_for_e48_antigen

35 Metagene 241

d83735_1551-2085,adult_heart_mrna_for_neutral_calponin,_complete_cds_
j04182_1914-2394,lysosomal_membrane_glycoprotein-1_(lamp1)_mrna,_complete_cds_
all_108895_3518-4059,mads/mef2-family_transcription_factor_(mef2c)_mrna,_complete_cds_

- m19267_1476-1600,tropomyosin_mrna,_complete_cds
 all_m19481_278-651:in_m19481cds_818-921,follistatin_gene
 m21574mrna_5807-6293,platelet-
 derived_growth_factor_receptor_alpha_(pdgfra)_mrna,_complete_cds_
- 5** m74719_1971-2475,sef2-1b_protein_(sef2-1b)_mrna,_complete_cds
 m95787_494-1004,22kda_smooth_muscle_protein_(sm22)_mrna,_complete_cds
 s57132_3108-
 3615_coll6a1=type_xvi_collagen_alphachain_[human,_placenta,_mrna_partial,_3720_nt]
 s73591_2169-2649,_brain-expressed_hhcpa78_homolog_[human,_hl-
- 10** 60_acute_promyelocytic_leukemia_cells,_
 u26710_3398-3878,cbl-b_mrna,_complete_cds
 u44975_791-1301,dna-binding_protein_cpbp_(cpbp)_mrna,_partial_cds
 u53446_2680-3220,mitogen-responsive_phosphoprotein_doc-2_mrna,_complete_cds
 u82532_231-753,gdi-dissociation_inhibitor_rhogdigamma_mrna,_complete_cds
- 15** u90913_659-1157,clone_23665_mrna_sequence
 all_x13839_768-1300,mrna_for_vascular_smooth_muscle_alpha-actin
 all_x86809_1916-2367,mrna_for_major_astrocytic_phosphoprotein_pea-15_
 y12670mrna_531-1011,ob-rgrp_gene/gb=y12670_/ntype=rna
 all_z24727_1355-1569,tropomyosin_isoform_mrna,_complete_cds
- 20** z26248cds_178-640:in_reversesequence,_1512,mrna_for_eosinophil_granule_major_basic_protein
 all_z48923_3300-3835,mrna_for_bmpr-ii
- Metagene 240
- 25** hg491-ht491_at_hg491-ht491_fc_receptor_iib3_for_igg_low_affinity
 m73720mrna_1032-1584,mast_cell_carboxypeptidase_a_(mc-cpa)_gene
 m82919_1201-1579,gamma_amino_butyric_acid_(gabaa)_receptor_beta-
 3_subunit_mrna,_complete_cds_
 u27109_3633-4155,prepromultimerin_mrna,_complete_cds_
- 30** Metagene 203
- d50582cds_954-1128:in_reversesequence,_1367-
 1535,gene_for_inward_rectifier_k_channel,_complete_cds_
- 35** hg2365-ht2461_at_hg2365-ht2461_glyceraldehyde-3-phosphate_dehydrogenase
 hg4188-ht4458_at_hg4188-ht4458_n-methyl-d-aspartate_receptor_subunit_splice_variant_hnr1n_
 j00146_388-718,dihydrofolate_reductase_pseudogene_(psi-hd1)
 l23808_1297-1717,metalloproteinase_(hme)_mrna,_complete_cds
 l27071_1963-2527,tyrosine_kinase_(tkk)_mrna,_complete_cds

- l37378mrna_3182-3680,guanylyl_cyclase_(retgc-2)_mrna,_complete_cds
 l40380mrna_285-795,thyroid_receptor_interactor_(trip11)_mrna,_3'_end_of_cds_
 all_148728_380-
 657:not_in_gb_record,_tcrbv10s1_gene_extracted_fromt_cell_receptor_beta_(tcrbv10s1)_g
5 m18079cds_85-343:in_reversesequence,_4158-
 4278,_human,_intestinal_fatty_acid_binding_protein_gene,_c
 m23234mrna_3313-3865,membrane_glycoprotein_p_(mdr3)_mrna,_complete_cds_
 m29386mrna_200-701,prolactin_mrna,_3'_end
 m94633exon_1275-
10 1611,recombination_acitivating_protein_(rag2)_gene,_last_exon/gb=m94633_/ntype=dna /
 s77763_1132-
 1624,_nuclear_factor_erythroidisoform_f=basic_leucine_zipper_protein_{alternatively_spli
 all_u07807_3319-4740:in_u07807cds_13-110,metallothionein_iv_(mtiv)_gene,_complete_cds_
 u10687exon#10_1056-1412,mage-4a_antigen_(mage4a)_gene,_complete_cds
15 u11690_3665-4241,faciogenital_dysplasia_(fgd1)_mrna,_complete_cds
 u13948_3283-3787,zinc_finger/leucine_zipper_protein_(af10)_mrna,_complete_cds
 u19345_2258-2756,arl_protein_(ar)_mrna,_complete_cds_
 u26174_499-991,pre-granzymemrna,_complete_cds_
 u33017_1248-1680,signaling_lymphocytic_activation_molecule_(slam)_mrna,_complete_cds_
20 u35459_629-1109,bomapin_mrna,_complete_cds/gb=u35459_/ntype=rna
 u52521_753-1131,arfaptin_1,_putative_target_protein_of_adp-
 ribosylation_factor,_mrna,_complete_cds_
 u72671_2390-2930,telencephalin_precursor_mrna,_complete_cds
 u96115_162-594,ww_domain-containing_protein_wwp3_mrna,_partial_cds/gb=u96115_/ntype=rna_
25 x12453mrna_993-1539,mrna_for_retinal_s-antigen_(48_kda_protein)
 all_x12530_1083-1415,mrna_for_b_lymphocyte_antigen_cd20_(b1,_bp35)_
 x17648cds#2_1069-1177:in_reversesequence,_1341-1605,mrna_for_granulocyte-
 macrophage_colony-stimulati
 all_x17651_829-1412,myf-4_mrna_for_myogenic_determination_factor_
30 all_x52520_2414-2673,mrna_for_tyrosine_aminotransferase_(tat)(ec_2.6.1.5)_
 x54131mrna_5534-6026,hptp_beta_mrna_for_protein_tyrosine_phosphatase_beta
 x57303cds_1488-1866:in_reversesequence,_2022-2028,rec11_mrna
 x61615cds_2830-3160:in_reversesequence,_3482-
 3548,mrna_for_leukemia_inhibitory_factor_(lif)_receptor
35 x65550exon#15_2051-2549,mki67a_mrna_(long_type)_for_antigen_of_monoclonal_antibody_ki-
 67_
 all_y10032_1065-1588,mrna_for_putative_serine/threonine_protein_kinase_
 all_z29067_1423-1802,nek3_mrna_for_protein_kinase
 z30425cds_649-1009:in_reversesequence,_1299-1311,mrna_for_orphan_nuclear_hormone_receptor.

z35491mrna_797-1253,mrna_for_novel_glucocorticoid_receptor-associated_protein

Metagene 199

- 5** ac002086cds_1686-1974:in_reversesequence,_98485,pac_clone_dj525n14_from_xq23
k03218cds_1068-1587:in_reversesequence,_197-230,c-src-1_proto-oncogene
117418exon_3-
229:not_in_gb_record,_complement_receptorgene_extracted_fromcomplement_receptor_type(al
126953_2282-2846,chromosomal_protein_mrna,_complete_cds_
10 u96136_4729-5233,delta-catenin_mrna,_complete_cds

Metagene 194

- 136642mrna_3940-4474,receptor_protein-tyrosine_kinase(hek11)_mrna,_complete_cds
15 178833cds#3_363-645:in_fullsequence,_17171-
17279,_brca1_gene_extracted_frombrca1_rho7_and_vati_gene
m81886_2390-2861,glutamate_receptor_type(hbgr1)_mrna,_complete_cds
all_u17579_1465-1982,_growth_hormone-
releasing_hormone_receptor_form_b_gene_extracted_fromgrowth_hor

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Metagene 193

- d78334_496-1018,mrna_for_ankyrin_motif,_complete_cds_
u59228_407-797,ectodermal_dysplasia_protein(cda)_mrna,_complete_cds_
25 x07384cds_2933-3269:in_reversesequence,_3377-3527,mrna_for_gli_protein
all_x73608_2895-3478,mrna_for_testican_

Metagene 189

- 30** af000562_43-427,urolakin_ii_mrna,_partial_cds
d63134mrna_73-439,mrna_for_ets-like_30_kda_protein/gb=d63134_/ntype=rna
all_j00220_1704-1849,ig_germline_h-chain_g-e-a_region_a:_gamma-3_5'_flank,ig_germline_h-
chain_g-e-a_
all_j05253_8895-9496,interstitial_retinol-binding_protein(irbp)_gene,_complete_cds
35 l37792mrna_1565-2015,syntaxin_1a_mrna,_complete_cds
all_m23533_3030-3556,alphaadrenergic_receptor_gene,_complete_cds
m29610_179-451,glycophorin_e_mrna,_complete_cds,glycophorin_e_mrna,_complete_cds
u13706_3-63,elav-like_neuronal_proteinisoform_hel-n2_(hel-
n1)_mrna,_partial_cds/gb=u13706_/ntype=rna

- u14383_958-1372,mucin_(muc8)_mrna,_partial_cds_
u20536_935-1428,cysteine_protease_mch2_isoform_alpha_(mch2)_mrna,_complete_cds_
u33921_578-1046,_hsu33921cdna_
u50535_1856-2270,bra2_region,_mrna_sequence_cg006_
5 u58970_1284-
1824,putative_outer_mitochondrial_membrane_34_kda_translocase_htom34_mrna,_complete_cds
u66406_2835-3255,putative_eph-related_ptk_receptor_ligand_lerk-8_(eplg8)_mrna,_complete_cds
u90065_615-1178,potassium_channel_kcno1_mrna,_complete_cds_
v00551mrna_366-878,_messenger_rna_forleukocyte_(alpha)_interferon
10 all_x05345_1772-1953,mrna_for_histidyl-trna_synthetase_(hrs)_
x14448mrna_1017-1299:in_reversesequence,_11301-11319,gla_gene_for_alpha-d-
galactosidase_a_(ec_3.2.1.
x86012cds_61-319:in_fullsequence,_6603-
6795,dna_sequence_from_intron_22_of_the_factor_viii_gene,_xq2
15 all_y00477_5141-
5216,bone_marrow_serine_protease_gene_(medullasin)_(leukocyte_neutrophil_elastase_ge

Metagene 173

20 m24736_3222-3785,endothelial_leukocyte_adhesion_molecule(elam-1)_mrna,_complete_cds_
y07565cds_307-614:in_reversesequence,_833-1024,mrna_for_rin_protein_

Metagene 167

25 hg4704-ht5146_at_hg4704-ht5146_glial_growth_factor
m19301mrna_944-1448,branched-chain_alpha-
keto_acid_dehydrogenase_(e2)_mrna,_complete_cds_
m95610_1971-2493,alphanotype_ix_collagen_(col9a2)_mrna,_partial_cds_
u65437mrna_7-307,homeodomain-containing_protein_(hanf)_gene,_partial_cds_
30
Metagene 161

ab006781_528-1007,mrna_for_galectin-4,_complete_cds/gb=ab006781/_ntype=rna
af007111_1609-2017,mdm2-like_p53-binding_protein_(mdmx)_mrna,_complete_cds
35 d49357_958-1438,mrna_for_s-adenosylmethionine_synthetase,_complete_cds_
d86984_5659-6139,mrna_for_kiaa0231_gene,_partial_cds_
hg2261-ht2351_s_at_hg2261-ht2351_antigen,_prostate_specific,_altsplice_form_2
hg3527-ht3721_f_at_hg3527-ht3721_luteinizing_hormone,_beta_subunit_
hg3994-ht4264_at_hg3994-ht4264_cpg-enriched_dna,_clone_s16_

- hg4058-ht4328_at hg4058-ht4328_oncogene_aml1-evi-1_fusion_activated_
 hg4533-ht4938_at hg4533-ht4938_kallistatin_protease_inhibitor_4_
 j04739mrna_1212-1650,bactericidal_permeability_increasing_protein_(bpi)_mrna_complete_cds_
 l15309_2444-2960,zinc_finger_protein_(znf141)_mrna_complete_cds_
5 l17075_1130-1607,tgf-b_superfamily_receptor_type_i_mrna_complete_cds
 l24774_272-757,delta3_delta2-coa-isomerase_mrna_3'_end
 l42583cds_1334-1665:in_reversesequence,_305-528,keratinisoform_k6a_(krt6a)_gene_
 all_m24900_1501-2054,triiodothyronine_receptor_(thr1_ea1)_and_ea2_genes_lastexons_each_
 m27093_2049-2509,nuclear-encoded_mitochondrial_branched_chain_alpha-
10 keto_acid_dehydrogenase_transacy
 m36067mrna_2602-3040,dna_ligase_i_mrna_complete_cds_
 m73077_2770-3178,glucocorticoid_receptor_repression_factor(grf-1)_mrna_complete_cds
 m94055_5925-6285,voltage-gated_sodium_channel_mrna_complete_cds_
 all_u17894_870-1231,alpha(1,2)fucosyltransferase_(fut2)_gene_complete_cds_
15 u38545_3056-3578,arf-activated_phosphatidylcholine-
 specific_phospholipase_d1a_(hpld1)_mrna_complete
 u45448_2014-2535,p2x1_receptor_mrna_complete_cds
 u68727_2868-3414,homeobox-containing_protein_mrna_complete_cds
 u90550_2991-3513,tyrosylphosphatase_(btf2)_mrna_complete_cds
20 x76029cds_141-453:in_reversesequence,_636-756,mrna_for_neuromedin_u_
 all_x99226_4853-5412,mrna_for_faa_protein

Metagene 158

- 25** m92843_1144-1583,zinc_finger_transcriptional_regulator_mrna_complete_cds
 u62015_1475-1841,cyr61_mrna_complete_cds_
 v01512mrna#2_1533-2061,cellular_oncogene_c-fos_(complete_sequence)
 all_x51345_1604-1744,jun-b_mrna_for_jun-b_protein
 all_x52541_2549-3102,mrna_for_early_growth_response_protein(hegr1)
30 all_x68277_1459-1952,cl_100_mrna_for_protein_tyrosine_phosphatase
 all_x75918_2858-3417,mrna_for_not

Metagene 146

- 35** x12556mrna_3159-3483,mrna_for_dbl_proto-oncogene_
 all_x52011_699-1144,myf6_gene_encoding_a_muscle_determination_factor_

Metagene 141

u19180_535-925,b_melanoma_antigen_(bage)_mrna,_complete_cds
 u30828_1078-1630,splicing_factor_srp55-2_(srp55)_mrna,_complete_cds
 u51269_3408-3900,armadillo_repeat_protein_mrna,_complete_cds_

5 Metagene 137

af005037_574-
 1030,secretory_carrier_membrane_protein_(scamp1)_mrna,_complete_cds/gb=af005037_/ntype=
 d87449_5359-5785,mrna_for_kiaa0260_gene,_partial_cds_
 10 100972_2064-2202,cystathionine-beta-synthase_(cbs)_mrna
 149218exon_4-
 91,retinoblastoma_susceptibility_protein_(rb1)_e413kbp_deletion_mutant_(resulting_in_pr
 m88163_3059-3581,global_transcription_activator_homologous_sequence_mrna,_complete_cds_
 u79296_1366-1876,dihydrolipoamide_acetyl_transferase_mrna,_partial_cds.

15

Metagene 129

108010exon#6_94-211:not_in_gb_record,reg_gene_homologue,_complete_cds
 l32831exon_463-1036,g_protein-coupled_receptor_(gpr3)_gene,_complete_cds
 20 m19888_58-580,small_proline_rich_protein_(spri)_mrna,_clone_128
 m19989_cds1_at_m19989_m19989,not_in_gb_record,platelet-
 derived_growth_factor_(pdgfa)_a_chain_gene,pl
 all_m59216_1586-2163:in_m59216cds_1091,gamma-aminobutyric_acid-a_(gaba-a)_receptor_beta-
 1_subunit_
 25 u58681cds_807-1116:in_reversesequence,_1191-1434:not_in_gb_record,neurogenic_basic-helix-
 loop-helix_
 all_x63337_548-1101,hb2a_gene_for_high_sulfur_keratin
 z29572cds_52-322:in_reversesequence,_95-605,antisense_mrna_for_bcma_peptide
 z48511exon#4_572-1148,xg_mrna_(clone_pep11)

30

Metagene 88

d13640_4563-5091,mrna_for_kiaa0015_gene,_complete_cds
 hg2414-ht2510_s_at_hg2414-ht2510_prostaglandin_receptor_ep1_subtype
 35 hg3236-ht3413_f_at_hg3236-ht3413_neurofibromatosis_tumor_suppressor
 hg3342-ht3519_s_at_hg3342-ht3519_id1_
 j03801_911-1418,lysozyme_mrna,_complete_cds_with_an_alu_repeat_in_the_3'_flank_
 all_100389_1196-1792,cytochrome_p-450gene_
 m11058mrna_2351-2879,3-hydroxy-3-methylglutaryl_coenzyme_a_reductase_mrna,_complete_cds

- m19045_907-1414,lysozyme_mrna_complete_cds
all_m31551_576-1134,urokinase_inhibitor_(pai-2)_gene_
m31667_f_at_m31667_m31667_4040_in_all_m31667_1679-
2265,cytochrome_p450_(cyp1a2)_gene_
5 u32576mrna_19-535,apolipoprotein_apoc-iv_(apoc4)_gene_complete_cds_
u33267_1613-2081,glycine_receptor_beta_subunit_(glrb)_mrna_complete_cds_
u50361_16-319,calcium_calmodulin-
dependent_protein_kinase_ii_delta_mrna_partial_cds/gb=u50361_/nty
u60269cds#2_171-429,endogenous_retrovirus_herv-
10 k(hml6)_proviral_clone_hml6.17_putative_polymerase_an
u72507mrna_855-1341,40871_mrna_partial_sequence
x14008mrna_926-1433,lysozyme_gene_(ec_3.2.1.17)_
all_x51417_1050-1651,mrna_for_steroid_hormone_receptor_herr2_
y10207mrna_61-475,mrna_for_cd171_protein/gb=y10207_/ntype=rna
15
Metagene 83
d90224_2791-3319,mrna_for_glycoprotein_34_(gp34)_
hg415-ht415_at_hg415-ht415_lectin_galactoside-binding_soluble_2_
20 k03204mrna_582-1130,prb1_locus_salivary_proline-rich_protein_mrna_clone_cp3_complete_cds_
m14758mrna#1_4264-4561,p-glycoprotein_(mdr1)_mrna_complete_cds
m36653_1448-1663,2-oct_factor_mrna_complete_cds_
m64231mma_1264-1624,spermidine_synthase_gene_complete_cds_
m64358exon_16-189,rhom-3_gene_exon/gb=m64358_/ntype=dna_/annot=exon_
25 all_u67368_952-1411,multiple_exostosis(ext2)_gene_
all_x16105_1077-1226,mrna_for_rd_protein_rna-binding
x58255mrna_2472-2862,flg-2_gene_for_fibroblast_growth_factor_receptor
all_x67235_1087-1595,mrna_for_proline_rich_homeobox_(prh)_protein
y10209mrna_79-331,mrna_for_cd30l_protein/gb=y10209_/ntype=rna
30 all_z70723_1812-2239,mrna_for_serum_arylidiakylphosphatase
Metagene 65
d29642_2294-2582,mrna_for_kiaa0053_gene_complete_cds
35 hg1155-ht4822_at_hg1155-ht4822_colony-stimulating_factor_1_macrophage_altsplice_3
hg1996-ht2044_at_hg1996-ht2044_guanine_nucleotide-binding_protein_rap2_ras-
oncogene_related_
hg243-ht243_s_at_hg243-ht243_lowe_oculocerebrorenal_syndrome_protein_
hg2797-ht2905_at_hg2797-ht2905_clathrin_light_polypeptide_altsplice_1

- hg4011-ht4804_s_at hg4011-ht4804_dystrophin-associated_glycoprotein_50_kda_altsplise_2_
hg4757-ht5207_s_at hg4757-ht5207_oncogene_mll-af4_fusion_activated
j00268gene_270-1415,insulin_gene_
178440mrna_2089-2509,stat4_mrna_complete_cds_
5 m10321mrna_5749-6321,von_willebrand_factor_mrna_3'_end
m34455_1427-1889,interferon-gamma-inducible_indoleamine_2,3-
dioxygenase_(ido)_mrna_complete_cds_
m61827mrna_1289-1850,leukosialin_(cd43)_gene_complete_cds
m74542_1131-1611,aldehyde_dehydrogenase_type_iii_(aldhiii)_mrna_complete_cds
10 all_u24683_219-474,anti-b_cell_autoantibody_igm_heavy_chain_variable_v-d-
j_region_(vh4)_gene_clone_
u34587_1545-2061,corticotropin-releasing_factor_receptormrna_complete_cds
u48861_1914-2430,betanicotinic_acetylcholine_receptor_subunit_mrna_complete_cds
u51096_1240-1720,homeobox_protein_cdx2_mrna_complete_cds
15 all_u58675_25626-39844_or17-
228_gene_extracted_fromolfactory_receptor_gene_cluster_on_chromosome_17
u64315_2269-2832,dna_repair_endonuclease_subunit_(xpf)_mrna_complete_cds
u81600_368-734,paired-like_homeodomain_protein_prx-2_mrna_partial_cds.
u82010mrna_2432-
20 2930_homo_sapiensheme_a_farnesyltransferase_(cox10)_gene_promoter_region_and
x58399mrna_491-903,l2-9_transcript_of_unrearranged_immunoglobulin_v(h)5_pseudogene.
x60003mrna_543-965,delta_creb_mrna_for_camp-responsive_element_(cre)_binding_protein_
all_x63359_2216-2781,ugt2bio_mrna_for_udp_glucuronosyltransferase
x68985cds_482-656,mrna_for_hepatic_leukemia_factor_
25 x72882cds_19-103:in_reversesequence_144-186,14a6ck_dna_sequence
x74764cds_2202-2538:in_reversesequence_2903-3041,mrna_for_receptor_protein_tyrosine_kinase_
x75342cds_1407-1767:in_reversesequence_2095-2239,shb_mrna
all_x84213_1094-1357,bak_mrna_for_bcl-2_homologue
x89416cds_1386-1440:in_reversesequence_1533-1932,mrna_for_protein_phosphatase_5_
30 x91911cds_321-711:in_reversesequence_912-950,mrna_for_rtv-1_protein_
x97267mrna_321-861,lpap_gene
all_x98085_4149-4642,mrna_for_tenascin-r_
all_x99664_723-1276,mrna_for_protein_containing_sh3_domain_sh3gl3_
all_y00796_4559-5109,mrna_for_leukocyte-associated_molecule-1_alpha_subunit_(lfa-
35 1_alpha_subunit)
y08409cds_4-385:in_reversesequence_431,spot14_gene_
y08639cds_837-1353:in_reversesequence_1953-2001,mrna_for_transcription_factor_rzrbeta
y09216_214-736,mrna_for_protein_kinase_dyrk2
all_z11697_1190-1701,mrna_for_hb15

z23115cds_197-677:in_reversesequence,_817-835,bcl-xl_mrna_
 z67743cds_1792-2320:in_reversesequence,_2350,mrna_for_clc-7_chloride_channel_protein

Metagene 57

5

all_141913_305-502,retinoblastoma_susceptibility_protein_(rb1)_gene,_exon_26,_bases_174145-
 174668_in
 all_x75958_1683-2170,trkb_mrna_for_protein-tyrosine_kinase_

10 Metagene 41

hg2441-ht2537_s_at_hg2441-ht2537_retinoblastoma_protein,_mutated_
 m16282cds_25-133:in_reversesequence,_283-
 469,fragile_x_locus_m2c_containing_an_unidentified_open_rea
 15 all_m17254_1366-1889,erg2_gene_encoding_erg2_protein,_complete_cds_
 u84540mrna_1083-1341,dystrobrevin_isoform_dtn-
 3_(dtn)_gene,_exon_11b_and_complete_cds/gb=u84540_/nty
 y10202mrna_169-529,mrna_for_cd207_protein/gb=y10202_/ntype=rna_

20 Metagene 37

j04076mrna_2171-2651,early_growth_responseprotein_(egr2)_mrna,_complete_cds_
 m31659mrna_1130-1640,gt_mitochondrial_solute_carrier_protein_homologue_mrna,_complete_cds
 all_x95677_1773-2368,mrna_for_argbpib_protein/gb=x95677_/ntype=rna_

25

Metagene 29

d78014_4608-4998,mrna_for_dihydropyrimidinase_related_protein-3,_complete_cds
 hg2614-ht2710_at_hg2614-ht2710_collagen,_type_viii,_alpha_1
 30 m61906_2813-3326,p13-kinase_associated_p85_mrna_sequence_
 u29953mrna_1150-1468,pigment_epithelium-derived_factor_gene,_complete_cds_
 u40572_1105-1627,beta2-syntrophin_(snt_b2)_mrna,_complete_cds
 u79294_831-1371,clone_23748_mrna,_complete_cds.
 x15525mrna_1670-2084,lysosomal_acid_phosphatase_gene_(ec_3.1.3.2)_exon(and_joined_cds)_

35

all_x68742_2942-3423,mrna_for_integrin,_alpha_subunit
 x96719cds_86-398:in_reversesequence,_674-710,mrna_for_aicl_(activation-induced_c-type_lectin)_

Metagene 25

- af001294_285-735,ipl (ipl)_mrna,_complete_cds.
 d16227_589-943,mrna_for_bdp-1_protein_(a_member_of_the_recoverin_family),_complete_cds_
 d50930_4876-5368,mrna_for_kiaa0140_gene,_complete_cds
 d78012_2289-2793,mrna_for_dihydropyrimidinase_related_protein-1,_complete_cds
5 d79985_3997-4393,mrna_for_kiaa0163_gene,_complete_cds
 d90359_5384-5912,ccg1_mrna_
 hg2566-ht4792_r_at_hg2566-ht4792_microtubule-associated_protein_tau,_altsplice_3,_exon_8_
 j03930exon#11_638-1118,intestinal_alkaline_phosphatase (alpi)_gene,_complete_cds_
 j04469exon#9_11-173:not_in_gb_record,mitochondrial_creatine_kinase (ckmt)_gene,_complete_cds
10 j05249_941-1409,replication_protein_a_32-kda_subunit_mrna,_complete_cds
 l14856cds_746-1100:in_reversesequence,_1324-1393,somatostatin_receptor_gene,_complete_cds_
 l18983mrna_3114-3588,tyrosine_phosphatase (ia-2/ptp)_mrna,_complete_cds_
 l27479_797-1307,x123_mrna,_3'_end
 l47345_2141-2609,elongin_a_mrna,_complete_cds_
15 m36430_321-753,transducin_beta-1_subunit_mrna,_3'_end
 m57732mrna_2643-
 3165,hepatic_nuclear_factor(tcfl)_mrna,_complete_cds,_clones_hcl10,_hcl12,_hcl17,_an
 reverse_m81780_4000-4487:in_m81780cds#3_175-
 296,_smpd1_gene_(acid_sphingomyelinase)_extracted_fromac
20 m88468_1378-1906,mevalonate_kinase_mrna,_complete_cds_
 u01147mrna_4659-5211,guanine_nucleotide_regulatory_protein (abr)_mrna,_complete_cds
 u09584_1382-1835,pl6_protein (pl6)_mrna,_complete_cds
 u47742_7360-7810,monocytic_leukaemia_zinc_finger_protein (moz)_mrna,_complete_cds
 u47928_2047-2491,protein_a_alternatively_spliced_form(a-2)_mrna,_complete_cds_
25 u53786_6024-6432:not_in_gb_record,envoplakin (evpl)_mrna,_complete_cds

Metagene 7

- j00207mrna#2_661-1075,_ifna_gene_(interferon_alpha-
30 a)_extracted_fromleukocyte_interferon_(leif)_alph
 j05016mrna_2252-
 2824,(clone_pa3)_protein_disulfide_isomerase_related_protein(erp72)_mrna,_complete_
 l41268_f_at_l41268_l41268,_4040_in_l41268mrna_1043-1571,natural_killer-
 associated_transcript(nkat2)_
35 m31776cds_35-365,brain_natriuretic_protein (bnp)_gene,_complete_cds
 u82311_39-112,unknown_protein_mrna,_partial_cds/gb=u82311_/ntype=rna_
 all_x06661_1817-2340,mrna_for_27-kda_calbindin_
 x13100cds_3130-3466:in_reversesequence,_3496-3592,mrna_fragment_for_myosin_heavy_chain
 x64994cds_642-912:in_reversesequence,_1279-1471,hgmp07i_gene_for_olfactory_receptor_

Metagene 6

- hg1139-ht4910_at hg1139-ht4910_fk506-binding_protein_altsplice_2
 5 m14123cds#4_3521-3935, pol_fromendogenous_retrovirus_herv-
 k10/gb=m14123_/ntype=dna_/annot=cds, pol_f
 m27396mrna_1389-1842, asparagine_synthetase_mrna_complete_cds
 m89470_2855-3271, paired-box_protein(pax2)_mrna_complete_cds
 s73885_1537-2082, ap-4=basic_helix-loop-helix_dna-
 10 binding_protein_[human, cervical_carcinoma, hela_c
 u35005_764-1278, jnk1_beta2_protein_kinase(jnk1b2)_mrna_complete_cds
 u51333_2437-3005, hexokinase_iii(hk3)_mrna_complete_cds_
 u73738_74-107, calcium/calmodulin-
 dependent_protein_kinase_ii_delta_e_mrna_partial_cds/gb=u73738_/nt

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Metagene 44

- hg3733-ht4003_at hg3733-ht4003_epiligrin_alpha_3
 m65291_715-1189, natural_killer_cell_stimulatory_factor(nksf)_mrna_complete_cds_clone_p35
 20 u15422cds#2_17-269:in_reversesequence_20347-
 20563, prm2_gene(protamine_2)_extracted_fromprotamine(
 u18297_1298-1805, mst1(mst1)_mrna_complete_cds

Metagene 461

25

- hg4340-ht4610_at hg4340-ht4610_soxa
 u63332_3-361, super_cysteine_rich_protein_mrna_partial_cds.
 u77413_2543-2975, o-linked_glcnae_transferase_mrna_complete_cds/gb=u77413_/ntype=rna_
 x97675mrna_3636-4212, plakophilin_2a_gene_extracted_frommrna_for_plakophilin_2a_and_b_
 30 all_z80781_583-748, h2b/j_gene

Metagene 418

- hg458-ht458_f_at hg458-ht458_beta-1-glycoprotein_1_pregnancy-specific_
 35 m22324_2954-3416, aminopeptidase_n/cd13_mrna_encoding_aminopeptidase_n_complete_cds
 u04343_815-1361, cd86_antigen_mrna_complete_cds
 u20760_4534-4966, extracellular_calcium-sensing_receptor_mrna_complete_cds_
 u67849_25-187, beta-galactoside_alpha2,6-
 sialyltransferase_(sialt1)_mrna_exon_w/gb=u67849_/ntype=rna

- x59372mrna_610-1090,hox4c_mrna_for_a_homeobox_protein
x65614cds_10-262:in_reversesequence,_19-391,mrna_for_calcium-binding_protein_sl00p_
x81892cds_2760-2994:in_reversesequence,_3126-3204,mrna_for_he6_tm7_receptor_
all_x95525_2560-3071,mrna_for_tafii100_protein_
- 5**
- Metagene 413
- all_u03877_2037-2512,extracellular_protein_(sl-5)_mrna,_complete_cds_
- 10** Metagene 329
- m27968mrna_3289-3658,basic_fibroblast_growth_factor_(fgf)_mrna,_complete_cds_
all_m31994_117-538,cytosolic_aldehyde_dehydrogenase_(aldh1)_gene_
m73780_3266-3746,integrin_beta-8_subunit_mrna,_complete_cds
- 15** u20860exon#3_1889-2279,angiotensin_ii_typereceptor_gene,_complete_cds_
u65002_6724-7240,zinc_finger_protein_plagl1_mrna,_complete_cds
all_x04688_227-798,mrna_for_t-cell_replacing_factor_(interleukin-5)
- Metagene 317
- 20**
- j03242_1155-1324,insulin-like_growth_factor_ii_mrna,_complete_cds_
j05068_984-1494,transcobalamin_i_mrna,_complete_cds
m32578_1131-1191,mhc_ii_hla-dr_beta-1_mrna_(dr2.3),_5'_end_
all_x79981_3411-3946,ve-cadherin_mrna
- 25**
- Metagene 271
- m10901mrna_4325-4655,glucocorticoid_receptor_alpha_mrna,_complete_cds
m88338_1465-1867,serum_constituent_protein_(mse55)_mrna,_complete_cds ,
- 30** u03891_90-576,phorbolin_i_mrna,_partial_cds
u77643_1462-1972,k12_protein_precursor_mrna,_complete_cds
x74795cds_1923-2181:in_reversesequence,_2272-2488,p1-cdc46_mrna_
all_x78669_1114-1643,erc-55_mrna_
- 35** Metagene 245
- y09912mrna_757-1315,ap-2_beta_gene
- Metagene 185

af009301_2752-3262,teb4_protein_mrna,_complete_cds/gb=af009301/_ntype=rna_
u73304mrna_4973-5447,cbl_cannabinoid_receptor_(cnr1)_gene,_complete_cds.
x53414mrna_907-1453,mrna_for_peroxisomal_l-alanine:glyoxylate_aminotransferase_
5 x59739mrna_5061-5473,zfx_mrna_for_puttranscription_activator,_isoform_2
x60955cds_2-147:in_reversesequence,_154-168,tyrrp_gene_for_tyrosinase-related_protein_(trp-
1)_(parti

Metagene 163

10

d63882_1015-1568,hslim15_mrna_for_hslim15,_complete_cds
hg2188-ht2258_at_hg2188-ht2258_paired_box_hup1_
m37825_624-1044,fibroblast_growth_factor-5_(fgf-5)_mrna,_complete_cds
m60092mrna_1743-2295,myoadenylate_deaminase_(ampd1)_mrna,_complete_cds_
15 s67798_1420-1930,_ph-20_[human,_testis,_mrna,_1973_nt]
u49065_1400-1922,interleukin-1_receptor-
related_protein_mrna,_complete_cds/gb=u49065/_ntype=rna
u82671mrna#2_1536-1776:in_reversesequence,_106561-106657,_hsp1-
a_gene_extracted_fromcosmids_qc14e2,_
20 all_u83303_1160-2035,_gcp-2_gene_(granulocyte_chemotactic_protein-2)_extracted_fromline-
1_reverse_tr'
all_x91148_3331-3824,mrna_for_microsomal_triglyceride_transfer_protein_

Metagene 103

25

u59877_295-750,low-mr_gtp-binding_protein_(rab31)_mrna,_complete_cds_
x51441cds_28-
65:in_reversesequence,_228,mrna_for_serum_amyloid_a_(saa)_protein_partial,_clone_pas3-a
all_x52075_5011-5273,gene_for_sialophorin_(cd43)
30 all_z11559_2897-3480,mrna_for_iron_regulatory_factor_
all_z29331_1560-1981,(23k/3)_mrna_for_ubiquitin-conjugating_enzyme_ubch2_

Metagene 80

35

hg2479-ht2575_at_hg2479-ht2575_helix-loop-helix_protein_sef2-1d
m55682cds_1132-1467:in_reversesequence,_439-571,carilage_matrix_protein_(cmp)_gene_
s77583_4-
66,_hervk10/hummtv_reverse_transcriptase_homolog_{clone_rt244}_{human,_multiple_sclerosis,_

Metagene 55

d13626_1857-2373,mrna_for_kiaa0001_gene,_complete_cds

5

Metagene 417

hg3299-ht3476_at_hg3299-ht3476_acetyl-coenzyme_a_carboxylase_
u79265_1269-1623,clone_23614_mrna_sequence_

10 x12901cds_2080-2431:in_reversesequence,_2551-2629,mrna_for_villin_

Metagene 287

15 d17525mrna_3966-4446,mrna_for_precursor_of_p100_serine_protease_of_ra-
reactive_factor,_complete_cds

d28483_944-1466,scr3_mrna_for_rna_binding_protein_scr3,_complete_cds_

d28532_1223-1763,mrna_for_renal_na⁺-dependent_phosphate_cotransporter,_complete_cds

d31628cds_781-1132,gene_for_4-hydroxyphenylpyruvic_acid_dioxygenase_(hpd),_complete_cds_

hg2707-ht2803_at_hg2707-ht2803_serine/threonine_kinase_

20 j04990cds_371-683:in_reversesequence,_2929-2989,cathepsin_g_gene,_complete_cds

j05257_1239-1713,(clones_mdp4,_mdp7)_microsomal_dipeptidase_(mdp)_mrna,_complete_cds

l02321_1089-1509,glutathione_s-transferase_(gstm5)_mrna,_complete_cds

l08485_1759-2257,gaba-benzodiazepine_receptor_alpha-5-subunit_(gabra5)_mrna,_complete_cds

m34065mrna_1526-1952,cdc25hs_mrna,_complete_cds

25 s68287_662-1124,_chlordecone_reductase_{clone_hakra}_{[human,_liver,_mrna,_1167_nt]}

u64863_1556-2030,hpd-1_(hpd-1)_mrna,_complete_cds

Metagene 225

30 d21205_1715-2279,mrna_for_estrogen_responsive_finger_protein,_complete_cds_

hg2271-ht2367_s_at_hg2271-ht2367_profilaggrin

hg2981-ht3125_s_at_hg2981-ht3125_epican,_altsplice_1_

l17330_88-586,pre-t/nk_cell_associated_protein_(6h9a)_mrna,_complete_cds_

l76927mrna_760-1330,galactokinase_(galk1)_gene,_complete_cds

35 m31520mrna_2-

l31,ribosomal_protein_s24_mrna,ribosomal_protein_s24_mrna,ribosomal_protein_s24_mrna_

u52111mrna#3_2176-

2659,xq28_genomic_dna_in_the_region_of_the_ald_locus_containing_the_genes_for_crea

u57317_2551-2989,p300/cbp-associated_factor_(p/caf)_mrna,_complete_cds_

u66468_586-1126,cell_growth_regulator_cgr11_mrna,_complete_cds_

Metagene 169

- 5** d50928_2629-3019,mrna_for_kiaa0138_gene,_complete_cds_
 hg2417-ht2513_at_hg2417-ht2513_dynein,_heavy_chain,_cytoplasmic
 m15958cds_12-282:in_reversesequence,_6718-6778,gastrin_gene,_complete_cds_
 u68162mrna_3059-
 3585,_mpl_gene_(thrombopoietin_receptor)_extracted_fromthrombopoietin_receptor_(mpl)
- 10** all_x60484_683-858,h4/e_gene_for_h4_histone
 x68505_2403-2879,mrna_for_myocyte-specific_enhancer_factor(mef2)

Metagene 132

- 15** d37781_4150-4705,mrna_for_protein-tyrosine_phosphatase_hptpeta,_complete_cds_
 j00209mrna_366-878,leukocyte_interferon_(ifn-alpha)_alpha-c_mrna,complete_cds_
 m90696_1168-1738,cathepsin_s_(ctss)_mrna,_complete_cds_
 u03735exon#3_970-1517,mage-3_antigen_(mage-3)_gene,_complete_cds_

20 Metagene 105

u38276_2969-3509,semaphorin_iii_family_homolog_mrna,_complete_cds
 all_x17093_3834-4023,hla-f_gene_forleukocyte_antigen_f
 all_x59798_3705-4192,prad1_mrna_for_cyclin_

25

Metagene 104

- d78611_1893-2331,mest_mrna,_complete_cds_
 l01406_1010-1562,growth_hormone-releasing_hormone_receptor_mrna,_complete_cds
- 30** m20919cds_478-568:in_reversesequence,_899-
 927,dna_with_a_hepatitis_b_virus_surface_antigen_(hbsag)_g

Metagene 24

- 35** l34357_1655-2165,gata-4_mrna,_complete_cds
 u09860_3095-3653,enterokinase_mrna,_complete_cds_
 u33448cds_773-1108:in_reversesequence,_1666-1883,putative_g-protein-
 coupled_receptor_(gpr16)_gene,_c
 u40370_1443-1929,3',5'_cyclic_nucleotide_phosphodiesterase_(hspde1a3a)_mrna,_complete_cds_

all_x02750_1332-1729,liver_mrna_for_protein_c
 z47727cds_6-150;in_reversesequence,_28-313,mrna_for_rna_polymerase_ii_subunit
 z80780cds_2-339,h2b/h_gene.

5 Metagene 366

ad000092cds#7_730-1062;in_reversesequence,_99587-99822,_hypotheticalserine-
 threonine_protein_kinase_
 d50405_1628-2054,mrna_for_rpd3_protein,_complete_cds_
 10 d50925_3408-3918,mrna_for_kiaa0135_gene,_partial_cds_
 d87442_2204-2684,mrna_for_kiaa0253_gene,_partial_cds_
 104490_954-1362,(clone_cc6)_nadh-ubiquinone_oxidoreductase_subunit_mrna,_3'_end_cds_
 l37033_1039-1480,fk-506_binding_protein_homologue_(fkbp38)_mrna,_complete_cds
 m92269cds_6175-6626;in_reversesequence,_6958-7053,l-

- 15 type_calcium_channel_hfcc_mrna,_complete_cds
 u94585_1810-2308,requiem_homolog_(hsreq)_mrna,_complete_cds.
 all_x02596_4186-
 4733,mrna_for_bcr_(breakpoint_cluster_region)_gene_in_philadelphia_chromosome
 all_x69550_1266-1801,mrna_for_rho_gdp-dissociation_inhibitor_1_
 20 x80200_1428-1866,mln62_mrna
 all_x80497_3995-4428,phkla_mrna
 z21488cds_2749-3016;in_reversesequence,_3179-3326,contactin_mrna
 all_z48054_2544-3067,mrna_for_peroxisomal_targeting_signal(skl_type)_receptor_

25 Metagene 121

- d00749exon_346-525,t_cell_surface_antigen_cd7_gene_
 hg1877-ht1917_s_at_hg1877-ht1917_myelin_basic_protein,_altsplice_form_4
 hg4126-ht4396_at_hg4126-ht4396_zinc_finger_protein_hzf4
 30 m97287_2345-2885,mar/sar_dna_binding_protein_(satb1)_mrna,_complete_cds
 x98178cds_567-607,mrna_for_mach-beta-4_protein/gb=x98178_/ntype=ma
 y07755exon#2-3_16-204,s100a2_gene,_exon_1,and_3_
 z30426_at_z30426_z30426,not_in_gb_record,gene_for_early_lymphocyte_activation_antigen_cd69,
 _exon_1

35

Metagene 49

hg4316-ht4586_at_hg4316-ht4586_transketolase-like_protein

Metagene 382

- hg4458-ht4727_at_hg4458-ht4727_immunoglobulin_heavy_chain_vdjc_regions
 all_l00058_470-855,(gh)_germline_c-myc_proto-oncogene_5'_flank
5 u16258_1212-1776,i_kappa_br_mrna_complete_cds_
 all_x82629_1744-2297,mrna_for_mox-2
 x97324cds_749-1277,mrna_for_adipophilin/gb=x97324_/ntype=rna_

Metagene 365

- 10**
 ad001527cds#1_317-575:in_reversesequence,_3640-3802,_comment_for_location_3447-
 3655:_blastx_gil10329
 m31423cds_322-640:in_reversesequence,_1200-1320,cerebellar-degeneration-
 related_antigen_(cdr34)_gene
15 u44060_2395-2845,homeodomain_protein_(prox_1)_mrna_complete_cds_
 u57093_501-969,small_gtp-binding_protein_rab27b_mrna_complete_cds_

Metagene 281

- 20** d28235exon#10_1923-2282,ptgs2_gene_for_prostaglandin_endoperoxide_synthase-
 2_complete_cds_
 all_k02545_752-1044,_tcrb_gene_extracted_fromt-cell_receptor_germline_beta-chain_j-beta-
 1_gene_clust
 all_x98330_15142-15731,mrna_for_ryanodine_receptor_2_

25

Metagene 180

- m21188mrna_2754-3204,insulin-degrading_enzyme_(ide)_mrna_complete_cds_
 s66896_1272-
30 1638,_squamous_cell_carcinoma_antigen=serine_protease_inhibitor_[human,_mrna,_1711_nt]
 u06452_923-1475,melanoma_antigen_recognized_by_t-cells_(mart-1)_mrna_
 u13616_14235-14709,ankyrin_g_(ank-3)_mrna_complete_cds
 all_x70340_3545-4062,mrna_for_transforming_growth_factor_alpha_

35 Metagene 155

- m26683_416-510,interferon_gamma_treatment_inducible_mrna_
 m60314_1582-2044,transforming_growth_factor-beta_(tgf-beta)_mrna_complete_cds_
 u02310_2946-3372,fork_head_domain_protein_(fkh1)_mrna_complete_cds

u57796_3322-3784,zinc_finger_protein_(ld5-1)_mrna,_complete_cds
all_u60116_905-966:not_in_gb_record,skeletal_muscle_lim-protein_slim2_mrna,_partial_cds_

Metagene 79

5

u00802_1922-2463,drebrin_e2_mrna_(dbn1),_complete_cds
u77594_245-599,tazarotene-induced_gene(tig2)_mrna,_complete_cds_
u86136_8094-8472,telomerase-associated_protein_tp-1_mrna,_complete_cds_
x82494mrna_3527-3965,mrna_for_fibulin-2

10

Metagene 186

m11726exon#1_49-163;in_reversesequence,_1559-

15

2534:not_in_gb_record,pancreatic_polypeptide_gene,_comp
u15590_306-840,heat_shock_protein_27_(hsp27)_mrna,_complete_cds

Metagene 166

20

af001359_2-
27,dna_mismatch_repair_protein_(hmlh1)_mrna,_alternatively_spliced,_partial_cds/gb=af0013
hg627-ht5097_s_at_hg627-ht5097_rhesus_(rh)_blood_group_system_ce-antigen,_altsplce_2,_rhvi
hg627-ht5098_s_at_hg627-ht5098_rhesus_(rh)_blood_group_system_ce-
antigenl,_altsplce_3,_rhviii_

25

105144_2488-2598,(clone_lamda-hpec-
3)_phosphoenolpyruvate_carboxykinase_(pck1)_mrna,_complete_cds_
all_105187_2284-2339,small_proline-rich_protein(sprrla)_gene,_complete_cds_
118877exon#2_980-1530,mage-12_protein_gene,_complete_cds_
120469_499-996,truncated_dopamine_d3_receptor_mrna,_complete_cds.

30

m23323mrna_779-1309,membrane_protein_(cd3-epsilon)_gene
s72503_1692-
1870,_hrk1=inward_rectifier_potassium_channel_[human,_hippocampus,_mrna,_1913_nt]
u12707_1280-1744,wiskott-aldrich_syndrome_protein_(wasp)_mrna,_complete_cds
u15641_760-1283,transcription_factor_e2f-4_mrna,_complete_cds

35

u20979_2612-3068,chromatin_assembly_factor-i_p150_subunit_mrna,_complete_cds_
u73167cds#2_79-
834,_h_luca14.2a_gene_extracted_fromcosmid_luca14,_h_luca14.2a_gene_extracted_fromcos
x87344mrna#26_769-945,dma,_dmb,_hla-
z1,_ipp2,_lmp2,_tap1,_lmp7,_tap2,_dob,_dqb2_and_ring8,_9,andgene

x97064cds_1988-2210:in_reversesequence,_2435-2678,mrna_for_sec23a_isoform,_2748bp
 z30644cds_1860-1918:in_reversesequence,_2130-
 2138,mrna_for_chloride_channel_(putative)_2163bp_

5 Metagene 34

hg3992-ht4262_at_hg3992-ht4262_cpg-enriched_dna_clone_e35_
 j02843cds_1103-1451:in_reversesequence,_14089-14119,cytochrome_p450iie1_(ethanol-
 inducible)_gene,_co

- 10 m54927mrna_2349-2907,myelin_proteolipid_protein_mrna_complete_cds_
 u38480_1008-1521,retinoid_x_receptor-gamma_mrna_complete_cds
 x05608exon#4_172-406:not_in_gb_record,gene_for_neurofilament_subunit_nf-l_

Metagene 22

15

af001787_990-1150,uncoupling_proteinmrna_complete_cds/gb=af001787_/ntype=rna
 s81957mrna#1_40-112,_bmp-5=bone_morphogenic_protein-
 5_{promoter}_[human,_genomic,_1116_nt]/gb=s81957
 all_x55777_1833-

- 20 2326,_putorf_gene_extracted_frommahlavu_hepatocellular_carcinoma_hhc(m)_dna_

Metagene 323

149229cds_2-

- 25 87,retinoblastoma_susceptibility_protein_(rb1)_gene,_with_abp_deletion_in_exon_22_(11191
 y09305cds_267-675:in_reversesequence,_711-771,mrna_for_protein_kinase,_dyrk4,_partial_
 y10517mrna_252-606,mrna_for_cd108_protein/gb=y10517_/ntype=rna_

Metagene 266

30

u18467_1436-1946,pregnancy-specific_beta_1-glycoprotein(psg7)_mrna_complete_cds
 u65918_1248-1820,putative_rna_binding_protein_(dazh)_mrna_complete_cds
 z78290_44-109,mrna_(clone_1d7).

35 Metagene 94

u66581cds_963-1275:in_reversesequence,_1547-1745,putative_g_protein-
 coupled_receptor_(gpr22)_gene,_c
 u73799_34-265,dynactin_mrna_partial_cds/gb=u73799_/ntype=rna

- u88892_31-241,tenascin-c_mrna,_splice_variant_tncfn-ad2,_partial_cds/gb=u88892/_ntype=rna
 all_x73501_11784-13955,gene_for_cytokeratin_20_
 x97249cds_1720-2230,mrna_for_leucine-rich_primary_response_protein_1_
 all_x97261_25-333,mrna_for_metallothionein_isoform_1r,mrna_for_metallothionein_isoform_1r_
5 all_z32684_4621-5042,xk_mrna_for_membrane_transport_protein

Metagene 285

- d37931_395-911,mrna_for_mase_4,_complete_cds
10 hg3731-ht4001_at_hg3731-ht4001_immunoglobulin_heavy_chain_vdjrc_regions_
 hg4668-ht5083_s_at_hg4668-ht5083_transcription_factor_mef2,_altsplice_2
 l23333_725-1305,corticotropin_releasing_factor_receptor_mrna,_complete_cds.
 l38503_531-993,glutathione_s-transferase_theta(gstt2)_mrna,_complete_cds_
 m13981_1253-1300,inhibin_a-subunit_mrna,_complete_cds
15 all_m35093_2155-2456,secreted_epithelial_tumor_mucin_antigen_(muc1)_gene,_complete_cds_
 u15932_1928-2294,dual-specificity_protein_phosphatase_mrna,_complete_cds_
 u79249_873-1359,clone_23839_mrna_sequence
 x65727cds#1_199-591,_gstalpha_locus_gene_(glutathione_s-
 transferase)_extracted_fromgstalpha_gene_for
20 all_x77166_798-1183,gene_for_kunitz-type_protease_inhibitor,_hkib9_
 x95097mrna_924-1503,mrna_for_vip2_receptor
 all_z46261_490-899,dna_for_histone_h3a_

Metagene 367

- 25**
 hg4236-ht4506_f_at_hg4236-ht4506_zinc_finger_protein_znf138
 l32606_1862-2196,homeobox-like_mrna
 m61826exon_72-568,alpha-spectrin_gene
 u09279_1375-1777,type_xix_collagen_(coll9a1)_mrna,_partial_cds_
30 u38964cds_1096-1146:in_reversesequence,_1291-
 1359,pms2_related_(hpmsr2)_gene,_complete_cds_
 u79301_999-1509,clone_23842_mrna_sequence
 x00540_at_x00540_x00540,not_in_gb_record,gene_encoding_prolactin,_exonand_joined_cds_
 all_x15088_1146-1276,gnat1_mrna_for_transducin_alpha-chain_
35

Metagene 269

- hg3985-ht4255_at_hg3985-ht4255_cpg-enriched_dna_clone_e04_
 m16967_6338-6806,coagulation_factor_v_mrna,_complete_cds_

m59941_2557-2965,gm-csf_receptor_beta_chain_mrna_complete_cds_
u00672_3067-3577,interleukin-10_receptor_mrna_complete_cds
u79526_1787-2327,orphan_g-protein_coupled_receptor_dez_isoform_a_mrna_complete_cds
reverse_z49208_20545-

5 20696,dna_from_cosmid_1161a8,_huntington_disease_region,_chromosome_4p16.3

Metagene 30

- j04132_919-1417,t_cell_receptor_zeta-chain_mrna_complete_cds
10 m76559_3065-3521,neuronal_dhp-sensitive,_voltage-dependent,_calcium_channel_alpha-
2b_subunit_mrna_c
m81882mrna_1835-2261,glutamate_decarboxylase_(gad65)_mrna_complete_cds
s68874_113-469,_ep3_prostanoid_receptor_ep3-
i_{3' region, alternatively_spliced}_[human,_mrna_partia
15 u00921exon#3_273-313:not_in_gb_record,lst-1_gene_complete_cds_
u01828_5837-5942,microtubule-associated_protein(map2)_mrna_complete_cds
u20759_3683-3758,parathyroid_cell_calcium-sensing_receptor_mrna_complete_cds
u29943_1609-2065,elav-like_neuronal_protein-2_hel-n2_mrna_complete_cds
u31628_1015-1507,interleukin-15_receptor_alpha_chain_precursor_(il15ra)_mrna_complete_cds_
20 x02883exon#4_568-736,gene_for_t-
cell_receptor_alpha_chain_c_region/gb=x02883_/ntype=dna_/annot=exon
all_x70811_2067-2566,mrna_for_betaadrenergic_receptor_
all_x81832_1592-2163,mrna_for_glucose-dependant_insulinotropic_polypeptide_receptor_gene_
x86570_1208-1532,mrna_for_acidic_hair_keratin_1
25 y07683_951-1413,mrna_for_p2x3_purinoreceptor/gb=y07683_/ntype=rna

Metagene 115

- all_m16441_2260-
30 2855,_lymphotoxin_gene_extracted_from_tumor_necrosis_factor_and_lymphotoxin_genes,_co

Metagene 23

- all_x77748_2815-3296,mrna_for_metabotropic_glutamate_receptor_type_3_
35 x84003cds_140-305:in_reversesequence,_373-379,tafi18_mrna_for_transcription_factor_tfiid_
y10510mrna_13-268,mrna_for_cd67s_protein/gb=y10510_/ntype=rna

Metagene 405

- ab000381exon#2-4_45-395: not_in_gb_record,dna_for_gpi-anchored_molecule-like_protein,_complete_cds_
all_d16154_2725-2751: not_in_gb_record,gene_for_cytochrome_p-450c11,_exon_3-9/gb=d16154_/ntype=dna_/a
- 5 j02982_23-439,glycophorin_b_mrna,_complete_cds_
l10373_1311-1713,(clone_ccg-b7)_mrna_sequence
l21893_1039-1537,na/taurocholate_cotransporting_polypeptide_mrna,_complete_cds_
m13928mrna_542-1020,delta-aminolevulinate_dehydratase_mrna,_complete_cds.
all_m29037_3259-3548,_humanbeta-hydroxysteroid_dehydrogenase_(17bhsdi)_gene,_exons_1-5,_complete_cds
- 10 s78825_523-667,_id1_(id1-b)=transcription_regulator_helix-loop-helix_protein_{alternatively_spliced}
u12424_2016-2564,mitochondrial_glycerol-3-phosphate_dehydrogenase_mrna,_complete_cds_
u61276_4243-4777,transmembrane_protein_jagged(hj1)_mrna,_complete_cds_
- 15 all_u83598_780-815,death_domain_receptorsoluble_form_(ddr3)_mrna,_partial_cds,death_domain_receptors_v01510mrna_506-1022,_pomc_gene_(proopiomelanocortin)_extracted_fromgene_coding_for_acth_and_beta-lph_x92493mrna_2160-2672,mrna_for_stm-7_protein
- 20 y10511mrna_16-343,mrna_for_cd176_protein/gb=y10511_/ntype=rna
- Metagene 4
- ac002477cds_444-988,pac_clone_dj327a19_from_xq25-q26,_complete_sequence/gb=ac002477_/ntype=dna_/anno
- 25 hg4243-ht4513_at_hg4243-ht4513_zinc_finger_protein_znf155
j00129mrna#1_1282-1552: not_in_gb_record,fibrinogen_beta-chain_mrna,_partial_cds_
all_m58026_831-1240,nb-1_mrna,_complete_cds
u30255_977-1493,phosphogluconate_dehydrogenase_(hpgdh)_gene,_complete_cds
- 30 u37022mrna_860-1322,cyclin-dependent_kinase(cdk4)_gene,_complete_cds_
u67191_3391-3967,multiple_exostosis-like_protein_(extl)_mrna,_complete_cds_
u67369_2300-2720,growth_factor_independence-1_(gfi-1)_mrna,_complete_cds_
u85245_3310-3718,phosphatidylinositol-4-phosphate_5-kinase_type_ii_beta_mrna,_complete_cds.
u97018_3439-3853,echinoderm_microtubule-associated_protein_homolog_huemap_mrna,_complete_cds
- 35 x13461cds_88-422:in_reversesequence,_1502-1737,intronless_calmodulin-like_gene_(clp_gene)_for_calmod
all_x72632_1746-2326,mrna_encoding_rev-erbaalpha_(internal_fragment).
z48314cds_2683-3086:in_reversesequence,_3110-3249,mrna_for_apomucin_

Metagene 410

- d17547_2106-2262,mrna_for_dopachrome_tautomerase_(tyrosinase-related_protein-
 5 2),_complete_cds
 k02054mrna_238-676,gastrin-releasing_peptide_mrna,_complete_cds
 l33404_464-890,stroma_corneum_chymotryptic_enzyme_mrna,_complete_cds
 m64108_2031-2571,udulinmrna,_3'_end_
 s83198_412-916,_bplp=basic_proline-rich_protein_[human,_lacrimal_gland,_mrna,_947_nt]
 10 u60206_1537-2003,stress_responsive_serine/threonine_protein_kinase_krs-1_mrna,_complete_cds
 u73960_566-1022,adp-ribosylation_factor-like_proteinmrna,_complete_cds

Metagene 398

- hg2507-ht2603_at_hg2507-ht2603_potassium_channel,_voltage-gated_kcncl
 j03258mrna_4003-4561,vitamin_d_receptor_mrna,_complete_cds_
 k02268mrna_3155-3677,enkephalin_b_(enkb)_gene,_5'_flank_and
 l05606_1219-1741,myosin_binding_protein_h_mrna,_complete_cds_
 l12392_9795-10257,huntington_disease_(hd)_mrna,_complete_cds
 20 l15533mrna_236-764,pancreatitis-associated_protein_(pap)_gene,_complete_cds_
 l76380mrna_2459-2969,(clone_hsnme29)_cgrp_typerceptor_mrna,_complete_cds
 all_m16424_135-664,beta-hexosaminidase_alpha_chain_(hexa)_gene_
 s78296_2596-3076,_neurofilament-66_[human,_fetal_brain,_mrna,_3197_nt]
 u57092_317-779,small_gtp-binding_protein_rab30_
 25 u76369_13-325,cationic_amino_acid_transporter-
 2b_(atrc2)_mrna,_partial_cds/gb=u76369/_ntype=rna
 x52425mrna_3032-3536,il-4-r_mrna_for_the_interleukinreceptor

Metagene 309

- 30 d88146_1156-1408,mrna_for_udp-galactose_transporter_2,_complete_cds
 hg2175-ht2245_s_at_hg2175-ht2245_myosin_heavy_polypeptide_10,_non-muscle
 hg3991-ht4261_at_hg3991-ht4261_cpg-enriched_dna,_clone_e18_
 all_m19989_804-1279,platelet-derived_growth_factor_(pdgfa)_a_chain_gene,platelet-
 35 derived_growth_fact
 u30313_372-756,diadenosine_tetraphosphatase_mrna,_complete_cds/gb=u30313/_ntype=rna
 u66077_1401-1822,daz_mrna,_3'_utr
 u79272_699-1179,clone_23720_mrna_sequence

x98337cds_643-971:in_reversesequence,_1061-1256,mrna_for_complement_factor_h-related_protein_4

Metagene 214

5

d26135_3247-3619,mrna_for_diacylglycerol_kinase_gamma_complete_cds
hg3105-ht3281_s_at_hg3105-ht3281_atpase_cu2+_transporting_
s78774_411-717,_na+/ca2+_exchanger_[human,_neuroblastoma_x_glioma_hybrid_ng108-15_cells,_mrna_partia

10 x98225cds_31-331,mrna_for_gastrin-binding_protein/gb=x98225_/ntype=rna_

Metagene 38

d21267mrna_1481-1979,mrna_for_highly_expressed_protein_
15 d83781_4231-4729,mrna_for_kiaa0197_gene_partial_cds_
hg3930-ht4200_at_hg3930-ht4200_stearoyl-coenzyme_a_desaturase_
142176_844-1384,(clone_35.3)_dral_mrna_complete_cds
149054_587-1067,t(3;5)(q25.1;p34)_fusion_gene_npm-mlf1_mrna_complete_cds.
m95167mrna_3333-3897,dopamine_transporter_(slc6a3)_mrna_complete_cds_
20 u32376_2548-3028,channel_associated_protein_of_synapse_(chapsyn-110)_mrna_complete_cds
x78712cds_1319-1637:in_reversesequence,_1691-1823,mrna_for_glycerol_kinase_testis_specific_2
x82209_7019-7511,mn1_mrna
y10505mrna_94-658,mrna_for_cd104_protein/gb=y10505_/ntype=rna

25 Metagene 456

u30246_3599-4019,bumetanide-sensitive_na-k-cl_cotransporter_(nkcc1)_mrna_complete_cds_

Metagene 153

30

hg4245-ht4515_at_hg4245-ht4515_forkhead_family_afx1
m84349mrna_1366-1852,transmembrane_protein_(cd59)_gene_

Metagene 422

35

d14678_1244-1748,mrna_for_kinesin-related_protein_partial_cds_
d31833_1212-1768,mrna_for_vasopressin_v1b_receptor_complete_cds_
d86043_1741-1829,mrna_for_shps-1_complete_cds_
103427_4325-4844,zinc_finger_protein_basonuclin_mrna_complete_cds_

- 115344_1360-1768,high_molecular_weight_b_cell_growth_factor_mrna_sequence
 m85165_1311-1809,srf_accessory_protein_1a_(sap-1)_mrna_complete_cds
 m95936_1148-1466,protein-serine/threonine_(akt2)_mrna_complete_cds
 s78271_4580-5111,_sb1.8/dxs423e=mitosis-
- 5 specific_chromosome_segregation_protein_smc1_homolog_[human,
 u03905_1438-1858,monocyte_chemoattractant_proteinreceptor_(mcp-
 1rb)_alternatively_spliced_mrna_comp
 u09002_5527-6082,n-methyl-d-
 aspartate_receptor_modulatory_subunit_2a_(hnr2a)_mrna_complete_cds
- 10 u13395_994-1450,oxidoreductase_(hhcma56)_mrna_complete_cds
 u28281_1162-1618,secretin_receptor_mrna_complete_cds
 u50531_4295-4847,brca2_region_mrna_sequence_cg030_
 u66618_1518-2016,swi/snf_complex_60_kda_subunit_(baf60b)_mrna_complete_cds
 u85767_13-505,myeloid_progenitor_inhibitory_factor-1_mpif-1_mrna_complete_cds_
- 15 x14767mrna_1685-1832,mrna_for_gaba-a_receptor_betasubunit

Metagene 272

- m86917_2402-2972,oxysterol-binding_protein_(osbp)_mrna_complete_cds_
 20 u19142_69-510,gage-1_protein_mrna_complete_cds
 u30872_9600-10116,mitosin_mrna_complete_cds_
 all_u66061_134531-176445,germline_t-
 cell_receptor_beta_chain_tcrbv17slalt_tcrbv2s1_tcrbv10s1p_tcr
 u79297_1095-1575,clone_23589_mrna_sequence_
 25 u90268_1427-1703,krit1_mrna_complete_cds
 all_x07024_4938-5257,x_chromosome_mrna_for_ccg1_protein_invin_cell_proliferation
 x16504cds_781-1266:in_reversesequence,_1283-1354,eno3_mrna_for_beta-enolase_(ec_4.2.1.11).

Metagene 258

- 30 ab000816_783-1357,mrna_for_bmal1d_partial_cds/gb=ab000816_/ntype=rna
 d17716_1820-2390,mrna_for_n-
 acetylglucosaminyltransferase_v_complete_cds/gb=d17716_/ntype=rna_
 d25539_3997-4375,mrna_for_kiaa0040_gene_complete_cds
- 35 hg742-ht742_at_hg742-ht742_latent_membrane_protein_lmp1
 l07597_2496-3036,ribosomal_protein_s6_kinase(rps6ka2)_mrna_complete_cds_
 m10014cds#1_1048-1264:in_reversesequence,_9512-9722,fibrinogen_gamma_chain_and_gamma-
 prime_chain_gen
 m28825_1513-2047,thymocyte_antigen_cd1a_mrna_complete_cds_

- u03274_1497-1941,biotinidase_mrna,_complete_cds
u51241cds_717-1029:in_reversesequence,_1257-
1497,eosinophil_eotaxin_receptor_(cmkbr3)_gene,_complete
all_x63755_579-994,mrna_for_high-sulphur_keratin_
5 x80343cds_435-807:in_reversesequence,_1006-
1036,p35_mrna_for_regulatory_subunit_of_cdk5_kinase
all_x83929_2707-3257,mrna_for_typedesmocollin_

Metagene 280
10
u60665_1603-2149,testis_specific_basic_protein_(tsbp),_complete_cds

Metagene 248

15 m16474mrna_1788-2223,fetal_butrylcholinesterase_mrna,_complete_cds
u25433_2428-
2842:not_in_gb_record,protein_associated_with_tumorigenic_conversion_(catr1.3)_mrna,_com
u59423_1481-1943,smad1_mrna,_complete_cds
x76538_433-931,mpv17_mrna

20
Metagene 416

all_m16404_1576-2153,m2_muscarinic_acetylcholine_receptor_gene_
m73746_2409-2894,lutropin/choriogonadotropin_receptor_(lhcgtr)_mrna,_complete_cds

25
Metagene 3

j00117mrna_9-428,chorionic_gonadotropin_(hcg)_beta_subunit_mrna,_complete_cds
m12759cds_65-335:in_reversesequence,_1020-1260,ig_j_chain_gene

30 all_m85220_15-
201,heavy_chain_disease_iga_chain_gene,_ch3_region_with_a_369_bp_deletion,_3'_end
s71043mrna_442-
970,_ig_alpha_2=immunoglobulin_a_heavy_chain_allotype{constant_region,_germ_line}_[hu
u24152_1879-2215,p21-activated_protein_kinase_(pak1)_gene,_complete_cds

35 all_x60992_2450-3021,cd6_mrna_for_t_cell_glycoprotein_cd6

Metagene 472

h46990_40-

355, yo16d02.slcdna_clone_178083_3' similar_to gb:j02625_cytochrome_p450_iiel (human);
m86873mrna_155-367,type_a_plasminogen_related_gene_
s42303_3537-4029,_n-cadherin [human, umbilical_vein_endothelial_cells, mrna, 4132_nt]_
5 all_z80776_596-795,h2a/g_gene

Metagene 457

- 10 d10202_1209-1557,mrna_for_platelet-activating_factor_receptor,_complete_cds
d13643_3585-4131,mrna_for_kiaa0018_gene,_complete_cds
d49387_401-917,mrna_for_nadp_dependent_leukotriene_b4_12-
hydroxydehydrogenase,_partial_cds/gb=d49387
hg4606-ht5011_at hg4606-ht5011_centractin,_alpha_
j03890mrna#1_482-1022:not_in_gb_record,_sp-cl_gene (pulmonary_surfactant_protein_sp-
15 c)_extracted_fro
k03195_2303-2813,(hepg2)_glucose_transporter_gene_mrna,_complete_cds_
113210_1668-2214,mac-2_binding_protein_mrna,_complete_cds
120348exon_15-219:not_in_gb_record,oncomodulin_gene
142563mrna_3011-3443,(clone_lsw34)_non-gastric_h,k-atpase_(atp1a1)_gene
20 m27504_2078-2626,topoisomerase_type_ii (topo_ii)_mrna,_partial_cds/gb=m27504_/ntype=ma_
m28215_130-676,gtp-binding_protein_(rab5)_mrna,_complete_cds
u20648_316-766,zinc_finger_protein_(znf154)_mrna,_partial_cds
y00318cds#1_1317-1653:in_reversesequence,_1814-
1916,mrna_for_complement_control_protein_factor_i
25 all_z15108_1535-2130,mrna_for_protein_kinase_c_zeta

Metagene 443

- 30 ab000468_2302-2860,mrna_for_zinc_finger_protein,_clone_res4-26,_complete_cds_
ab002533_1726-2128,mrna_for_qip1,_complete_cds_
reverse_ac002077_3475-3730,cosmid_clone_luca17_from_3p21.3_
ad000092cds#2_714-1008:in_fullsequence,_87557-87797,_hypotheticalserine-
threonine_protein_kinase_r31
d16480_2089-2641,mrna_for_mitochondrial_enoyl-coa_hydratase/3-hydroxyacyl-
35 coa_dehydrogenase_alpha-su
d38552_1532-2012,mrna_for_kiaa0073_gene,_partial_cds_
d63475_1309-1819,mrna_for_kiaa0109_gene,_complete_cds
d63477_4745-5243,mrna_for_kiaa0143_gene,_partial_cds_
d79206exon#5_1513-2053,gene_for_ryudocan_core_protein,_exon1-5,_complete_cds_

- d85245_1248-1806,mrna_for_tr3beta_complete_cds
all_d87017_16956-
20256_c7_segment_gene_extracted_from(lambda)_dna_for_immunoglobulin_light_chain_
d87116_1514-2048,mrna_for_map_kinase_kinase_3b_complete_cds_
- 5** hg2290-ht2386_at_hg2290-ht2386_calcitonin
hg2755-ht2862_at_hg2755-ht2862_t-plastin_
hg2887-ht3031_at_hg2887-ht3031_sry-related_hmg-boxprotein
hg331-ht331_at_hg331-ht331_tenascin
hg3897-ht4167_at_hg3897-ht4167_sodium_channel_type_iii_alpha_subunit_brain
- 10** hg3925-ht4195_s_at_hg3925-ht4195_surfactant_protein_sp-a2_delta_
j02906mrna_1254-1782,cytochrome_p450iifl_protein(cyp2f)_mrna_complete_cds_
l25444_2124-2694,(tafi70-alpha)_mrna_complete_cds_
m22960mrna_1352-1760,protective_protein_mrna_complete_cds_
m24439exon_492-912,liver/bone/kidney-type_alkaline_phosphatase(alpl)_gene_
- 15** m60284cds_835-1144:in_reversesequence_251-479,neurokinin_a_receptor(nk-2r)_gene_
m68941mrna_3078-3618,protein-tyrosine_phosphatase_mrna_complete_cds_
m91669_4061-4636,bullous_pemphigoid_autoantigen_bp180_gene_3'_end_
m92303_3057-3633,voltage-dependent_calcium_channel_beta-1_subunit_mrna_complete_cds_
m95623exon#14-15_2-
- 20** 383:not_in_gb_record_pbgd_gene(hydroxymethylbilane_synthase)_extracted_fromhydr
s38742_1370-1835_hox11=hox11_homeodomain{homeobox}[human_mrna_1988_nt]
s65583mrna_588-1068_sp-10=intra-
acrosomal_protein{alternatively_spliced}[human_liver_genomic_2
s87759_1823-2321_protein_phosphatase_2c_alpha[human_teratocarcinoma_mrna_2346_nt]
- 25** u01337exon#16_412-553,ser/thr_protein_kinase(a-raf-1)_gene_complete_cds_
u04898_1421-1877,orphan_hormone_nuclear_receptor_roralpha2_mrna_complete_cds_
u11292_2353-2863,ki_nuclear_autoantigen_mrna_complete_cds_
u15655_2102-2576,ets_domain_protein_erb_mrna_complete_cds_
u25034_588-1127,neuronatin_beta_mrna_complete_cds_
- 30** u25956mrna_1470-2046,p-selectin_glycoprotein_ligand(selplg)_gene
u30894_2068-2626,n-sulphoglucosamine_sulphohydrolase_mrna_complete_cds_
u32439_1324-1822,regulator_of_g-protein_signaling_similarity(rgs7)_mrna_partial_cds_
u32674cds_593-1060:in_reversesequence_1181-
1191,orphan_receptor_gpr9(gpr9)_gene_partial_cds
- 35** u39573_2173-2689,salivary_peroxidase_mrna_complete_cds_
u40391mrna_464-980,serotonin_n-acetyltransferase_gene_complete_cds_
u40434_1561-2071,mesothelin_or_cak1_antigen_precursor_mrna_complete_cds_
u42031_1655-2201,54_kda_progesterone_receptor-
associated_immunophilin_fkbp54_mrna_partial_cds_

- u43374_775-1069,normal_keratinocyte_mrna_
u45973_1634-2192,phosphatidylinositol_(4,5)bisphosphate_5-
phosphatase_homolog_mrna,_partial_cds
u46751_1562-
- 5** 2012,phosphotyrosine_independent_ligand_p62_for_the_lck_sh2_domain_mrna,_complete_cds
u49857_314-749,transcriptional_activator_mrna,_complete_cds
u50330_3071-3515,procollagen_c-proteinase_(pcp-2)_mrna,_complete_cds_
u68111mrna_858-1374,protein_phosphatase_inhibitor(ppp1r2)_gene
u70671_695-1115,ataxin-2_related_protein_mrna,_partial_cds_
- 10** u72206_3122-3590,guanine_nucleotide_regulatory_factor_(lfp40)_mrna,_complete_cds_
u92457_2832-3375,metabotropic_glutamate_receptormrna,_complete_cds
x05855cds_12-65:not_in_gb_record,histone_h3.3_gene_exon_2,histone_h3.3_gene_exon_2_
all_x07290_1212-1723,hf.12_gene_mrna_
all_x07767_1948-2516,mrna_for_camp-
dependent_protein_kinase_catalytic_subunit_type_alpha_(ec_2.7.1.3
all_x07948_3-428,mrna_for_transition_protein(tp1)_
x59932mrna_1557-2063,mrna_for_c-src-kinase_
all_x66945_3582-3931,n-sam_mrna_for_fibroblast_growth_factor_receptor
x78687exon#6_172-670,g9_gene_encoding_sialidase
- 20** x79865cds_267-411:in_reversesequence,_922,mrp17_mrna
x81372cds_701-791:in_reversesequence,_1027-1195,mrna_for_biphenyl_hydrolase-related_protein
all_x89066_3817-4019,mrna_for_trpc1_protein
all_x91504_970-1523,mrna_for_arpl_protein
all_x94232_2035-2528,mrna_for_novel_t-cell_activation_protein
- 25** all_x98482_45-
72,tnnt2_gene_exon/gb=x98482_/ntype=dna_/annot=mrna,tnnt2_gene_exon/gb=x98482_/ntype=d
all_z12962_31-398,mrna_for_homologue_to_yeast_ribosomal_protein_l41
z22548cds_310-547:in_reversesequence,_684-894,thiol-specific_antioxidant_protein_mrna_
z73497cds_28-
- 30** 229,dna_sequence_from_cosmid_u240c2,_between_markers_dxs366_and_dxs87_on_chromosome_x
co
- Metagene 430
- 35** d87458_3244-3784,mrna_for_kiaa0282_gene,_partial_cds_
m99564_2505-2991,(clone_dn10mel)_p_protein_mrna,_complete_cds_
Metagene 426

- d30037_609-1179,mrna_for_phosphatidylinositol_transfer_protein_(pi-tpbeta),_complete_cds_
 all_j03027_3437-3996,mhc_i_hla-6.09_gene,_complete_cds_
 all_m14306_171-361,beta-a3/a1-crystallin_gene_(hu-beta-a3/a1)
 all_m30703_55-142:not_in_gb_record,amphiregulin_(ar)_gene_
5 u14407_601-1147,interleukin(il15)_mrna,_complete_cds_
 u33054_1584-2010,g_protein-
 coupled_receptor_kinase_grk4_mrna,_alpha_splice_variant,_complete_cds_
 x94629_618-1128,mrna_for_metaphase_chromosomal_protein
 y10518mrna_138-648,mrna_for_cd202_protein/gb=y10518_/ntype=ma_
10 z83804_29-261,mrna_for_axonemal_dynein_heavy_chain_(partial,_id_hdhc7).

Metagene 406

- u06454_1832-2288,amp-activated_protein_kinase_(hampk)_mrna,_complete_cds_
15 all_y00705_5-356,psti_mrna_for_pancreatic_secretory_inhibitor_(expressed_in_neoplastic_tissue).

Metagene 393

- j03474cds_3-255,serum_amyloid_a_gene,_complete_cds_
20 all_m63262_161-540:in_m63262cds_231-340,5-lipoxygenase_activating_protein_(flap)_gene_
 all_x51441_55-90,mrna_for_serum_amyloid_a_(saa)_protein_partial,_clone_pas3-
 alpha,mrna_for_serum_amy
 x75042cds_1607-1817:in_reversesequence,_2024-2252,rel_proto-oncogene_mrna_

25 Metagene 381

- af005361_1159-1663,importin_alphamrna,_complete_cds/gb=af005361_/ntype=ma_
 hg3731-ht4001_r_at_hg3731-ht4001_immunoglobulin_heavy_chain,_vdjrc_regions_
 l38616mrna_1184-1634,brain_and_reproductive_organ-
30 expressed_protein_(bre)_gene,_complete_cds
 u46746_1183-1708,dystrobrevin-epsilon_mrna,_complete_cds_
 all_u61500_6060-6577,gt334_protein_(gt334)_gene_mrna,_complete_cds_

Metagene 361

35

- m16364_749-1311,creatine_kinase-b_mrna,_complete_cds_
 m64554mrna_1602-
 1962,_f13a1_gene_(coagulation_factor_xiiib)_extracted_fromfactor_xiii_b_subunit_gene
 u07794_cds2_at_u07794_u07794,not_in_gb_record,tyrosine_kinase_(tkk)_gene

Metagene 357

- hg3432-ht3620_s_at_hg3432-ht3620_fibroblast_growth_factor_receptor_k-sam, altsplice_3, k-sam_iii_
- 5 s79048_61-421, lprp=phl_elfl [human, lacrimal_gland, mrna_partial, 507_nt]
- u39657_2341-2863, map_kinase_kinase(mkk6)_mrna, complete_cds_
- u97188_3602-4010, putative_rna_binding_protein_koc_(koc)_mrna, complete_cds
- x66417cds_230-524:in_reversesequence, 658-766, cask_mrna_for_kappa-casein

10

Metagene 354

- aj000480cds_116-650, mrna_for_c8fw_phosphoprotein/gb=aj000480_/ntype=rna_
- d21241exon#2_2-72, ovary_and_prostate-specific_exonfromcytochrome_p-
- 15 450_aromatase_gene, multiple_ex
- d30742_1211-1697, mrna_for_calmodulin-dependent_protein_kinase_iv, complete_cds_
- d80011_4259-4793, mrna_for_kiaa0189_gene, complete_cds
- hg1980-ht2023_at_hg1980-ht2023_tubulin, beta_2_
- hg2264-ht2360_at_hg2264-ht2360_atpase, ca2+_transporting, plasma_membrane_1, altsplice_6_
- 20 hg273-ht273_at_hg273-ht273_lymphocyte_antigen_hla-g3_
- hg3517-ht3711_at_hg3517-ht3711_alpha-1-antitrypsin, 5'_end_
- hg620-ht620_at_hg620-ht620_tyrosine_phosphatase, epsilon_
- 105424_cds2_at_105424_105424, not_in_gb_record, cd44_gene_(cell_surface_glycoprotein_cd44)_ex
- tracted_
- 25 110844_1646-2213, cellular_growth-regulating_protein_mrna, complete_cds_
- 114848_802-1181, mhc_i-related_protein_mrna, complete_cds_
- 128957_685-1231, ctp:phosphocholine_cytidyltransferase_mrna, complete_cds
- all_m23178_2889-3818, homologue-
- 1_of_gene_encoding_alpha_subunit_of_murine_cytokine_(mip1/sci), compl
- 30 m27436mrna_1638-
- 1979, tissue_factor_gene, complete_cds, with_a_alu_repetitive_sequence_in_the_3'_untr
- m27819_3060-3426, anion_exchange_protein(ae1_band_3)_mrna, complete_cds_
- m33318mrna_1538-1583, cytochrome_p450iia3_(cyp2a3)_mrna, complete_cds_
- m62324_1584-2052, modulator_recognition_factor_i_(mrf-1)_mrna, 3'_end_
- 35 u30888_1892-2420, trna-guanine_transglycosylase_mrna, complete_cds
- u40571_1695-2073, alpha1-syntrophin_(snt_a1)_mrna, complete_cds_
- u82310_19-229, unknown_protein_mrna, partial_cds/gb=u82310_/ntype=rna_
- u82818_1005-1058, ucp3s_mrna, complete_cds/gb=u82818_/ntype=rna
- u84551_cds2_at_u84551_u84551, not_in_gb_record, dystrobrevin_(dm)_gene_

- x03934cds_255-423:in_reversesequence,_3890-4112,t-cell_antigen_receptor_gene_t3-delta_
all_x07619_658-1162,mrna_for_cytochrome_p450_db1_variant_b_
x12458mrna_1566-2046,_p3_protein_(aa_1-1382)_gene_extracted_fromp3_gene_
all_x13967_3247-3806,mrna_for_leukaemia_inhibitory_factor_(lif/hilda)
- 5** x16901cds_411-711:in_reversesequence,_866-
1094,mrna_for_rap30_subunit_of_transcription_initiation_fa
x52599cds_295-649,mrna_for_beta_nerve_growth_factor
x94563mrna#1_109-
123,_exon_1b;_used_only_in_typetranscripts_fromdbi/acbp_gene_exon&/gb=x94563_/ntype
- 10** y10506mrna_251-593,mrna_for_cd110_protein/gb=y10506_/ntype=rna_
y10615cds_115-535,cyrn2_gene/gb=y10615_/ntype=dna_/annot=cds_
all_z46632_2953-3206,hspde4c1_gene_for_3',5' -
cyclic_amp_phosphodiesterase,hspde4c1_gene_for_3',5'
- 15** Metagene 346

u45974_1007-1517,phosphatidylinositol_(4,5)_bisphosphate_5-
phosphatase_homolog_mrna,_partial_cds_
u79304_1102-1630,clone_23909_mrna,_partial_cds.
- 20** x05839mrna_2298-
2467,_transforming_growth_factor_betaprecursor_gene_extracted_fromtransforming_growt

Metagene 340
- 25** l34838_40-586,early_placenta_insulin-like_peptide_epil_(insl4)_mrna,_complete_cds_
all_u05255_159-188,glycophorin_hep2_mrna,_partial_cds,glycophorin_hep2_mrna,_partial_cds
u31501_2359-
2773,fragile_x_mental_retardation_syndrome_related_protein_(fxr2)_mrna,_complete_cds_
u37689_344-752,rna_polymerase_ii_subunit_(hsrpb8)_mrna,_complete_cds_
- 30** x15943mrna_884-1220:in_reversesequence,_7046-7076,_huamn_calcitonin/alpha-cgrp_gene

Metagene 336

u08021_447-909,nicotinamide_n-methyltransferase_(nnmt)_mrna,_complete_cds
- 35** all_x83107_1867-2348,bmx_mrna_for_cytoplasmic_tyrosine_kinase

Metagene 333

- u96191_19-439,trophoblast_hypoxia-regulated_factor-5_(hrf-5)_mma,_3'_end/gb=u96191_/ntype=rna_
all_x13955_675-827,mrna_for_myosin_alkali_light_chain
x64877cds_417-762:in_reversesequence,_889-
- 5** 894,mrna_for_serum_protein,mrna_for_serum_protein
- Metagene 322
- hg2229-ht2306_at_hg2229-ht2306_paired_box_hup1_
10 m54914exon_1099-1666,follicle-stimulating_hormone_beta-subunit_gene
- Metagene 267
- hg544-ht544_at_hg544-ht544_endothelial_cell_growth_factor_
15 105072exon#10_375-907,interferon_regulatory_factorgene,_complete_cds_
107261mrna_283-
505,alpha_adducin_mrna,_partial_cds_including_alterate_exons_a_and_b_(trimmed_to_889
137360_146-698,(clone_hehk1-1)_ehk1_receptor_tyrosine_kinase_ligand_(efl-2)_mrna,_complete_cds
- 20** 177567mrna_947-1231,mitochondrial_citrate_transport_protein(ctp)_mrna,_3'_end
m25667_1086-1200,neuronal_growth_protein_43_(gap-43)_mrna,_complete_cds
m32886_351-843,sorcin_cp-22_mrna,_complete_cds_
u07151_395-869,gtp_binding_protein(arl3)_mrna,_complete_cds_
u29175_5199-5223,transcriptional_activator(brg1)_mrna,_complete_cds.
- 25** u30827_1253-1817,splicing_factor_srp40-3_(srp40)_mrna,_complete_cds
u30999_25-379,(memc)_mrna,_3'_utr/gb=u30999_/ntype=rna_
u51432_1557-2079,nuclear_protein_skip_mrna,_complete_cds.
u53830_1469-1835,interferon_regulatory_factor_7a_mrna,_complete_cds_
u60873_115-439,clone_137308_mrna,_partial_cds
- 30** u79261_883-1422,clone_23959_mrna,_partial_cds
all_x14813_1077-1618,liver_mrna_for_3-oxoacyl-coa_thiolase_
x64177cds_8-147:in_reversesequence,_2-277,mrna_for_metallothionein
x94333_1617-2157,mrna_for_tgn46_protein
x97074cds_182-398:in_reversesequence,_704-782,mrns_for_clathrin-associated_protein
- 35** z46376mrna_4703-5249,hk2_mrna_for_hexokinase_ii_

Metagene 264

d21239_3475-3997,mrna_for_c3g_protein,_complete_cds

- d49958_1830-2346,fetus_brain_mrna_for_membrane_glycoprotein_m6,_complete_cds_
d88613_1068-1518,mrna_for_hgcma,_complete_cds
d88667_1298-1652,mrna_for_cerebroside_sulfotransferase,_complete_cds_
hg1098-ht1098_at_hg1098-ht1098_cystatin_d
- 5** hg2161-ht2231_at_hg2161-ht2231_translocation-associated_notch_(drosophila)_homolog
hg2191-ht2261_at_hg2191-ht2261_crystallin,_beta_b3_
hg3477-ht3670_at_hg3477-ht3670_cd4_antigen_
hg3928-ht4198_at_hg3928-ht4198_surfactant_protein_sp-a1_delta_
hg4336-ht4606_at_hg4336-ht4606_bactericidal_bpi'gene_
- 10** hg4535-ht4940_s_at_hg4535-ht4940_dematin_
j02888_453-915,quinone_oxidoreductase_(nqo2)_mrna,_complete_cds
k03008cds_90-118:not_in_gb_record,_gamma-g2-psi_gene_extracted_fromgamma-c-
crystallin_(gamma-3)_gene
111372_497-893,protocadherin_43_mrna,_3'_end_of_cds_for_alternative_splicing_pc43-12_
- 15** 117327_16-196,pre-t/nk_cell_associated_protein_(3b3)_mrna,_3'_end
140904mrna_1228-
1656,_hsapiens_peroxisome_proliferator_activated_receptor_gamma,_complete_cds_
m12625mrna_893-1259:in_reversesequence,_1599-1683,lecithin-
cholesterol_acyltransferase_mrna,_complet
- 20** m14123cds#1_263-665,_pol_fromendogenous_retrovirus_herv-
k10/gb=m14123_/ntype=dna_/annot=cds,_pol_fro
all_m16707_590-
631,histone_h4_gene,_complete_cds,_clone_fo108,histone_h4_gene,_complete_cds,_clone_f
m21302_402-514,small_proline_rich_protein_(sprii)_mrna,_clone_174n_
- 25** m21904cds_1189-1549:in_reversesequence,_372-
378,4f2_glycosylated_heavy_chain_(4f2hc)_antigen_gene_
m61733_2454-2934,erythroid_membrane_protein_4.1_mrna,_complete_cds
m90366_1683-2175,zona_pellucida_glycoprotein(zp2)_mrna,_complete_cds
m91585_3719-4175,br140_mrna,_complete_cds
- 30** s80267_1304-1872,_p72syk_{g_insertion_nucleotide_92}_{human,_jurkat_e6-
1_j.cam1_cells,_mrna_partial_
u01120_2484-2982,glucose-6-phosphatase_mrna,_complete_cds
u04270_3505-3973,putative_potassium_channel_subunit_(h-erg)_mrna,_complete_cds_
u07856cds#5_1300-1846,endogenous_retrovirus_in_complement_c4a_gene,_a3_allele,_herv-
k(c4)_(gag),_(po
- 35** u11090_733-1243,hydroxyindole-o-methyltransferase_promoter_a-
derived_(hiomt)_mrna,_complete_cds
u13666cds_671-989:in_reversesequence,_1329-1413,g_protein-
coupled_receptor_(gpr1)_gene,_complete_cds

- u18244_1166-1640,excitatory_amino_acid_transporter_mrna,_complete_cds
u18543_1853-2339,zinc-finger_protein_mrna,_complete_cds
all_u19107_3423-3658,znf127_(znf127)_gene,_complete_cds_
u19977_735-1227,preprocarboxypeptidase_a2_(procpa2)_mrna,_complete_cds_
5 u20582_1180-1690,actin-like_peptide_mrna,_partial_cds
u20657_2439-2890:not_in_gb_record,ubiquitin_protease_(unph)_proto-
oncogene_mrna,_complete_cds_
u31342mrna_1173-1629,nucleobindin_gene_
u33317mrna_25-421,defensin(hd-6)_gene,_complete_cds
10 u33761_1017-1557,cyclin_a/cdk2-associated_p45_(skp2)_mrna,_complete_cds
u36501_1704-2148,sp100-b_(sp100-b)_mrna,_complete_cds
u43148_6015-6483,patched_homolog_(ptc)_mrna,_complete_cds
u48263_627-1173,pre-pro-orphanin_fq_(ofq)_mrna,_complete_cds_
u49973cds#1_764-
15 1340,orf1;_mer37;_putative_transposase_similar_to_pogo_element_fromtiger1_transpos
u59878_469-895,low-mr_gtp-binding_protein_(rab32)_mrna,_partial_cds
u76010_1520-1964,putative_zinc_transporter_znt-3_(znt-3)_mrna,_complete_cds
u77845_1515-1905,htrip_(htrip)_mrna,_complete_cds
u78793_6-29,folate_receptor_alpha_(hfr)_mrna,_partial_cds/gb=u78793/_ntype=rna_
20 u86759_1374-1856,netrin-2_like_protein_(ntn2l)_mrna,_complete_cds
all_u90543_2501-
2545,butyrophilin_(btf1)_mrna,_complete_cds,butyrophilin_(btf1)_mrna,_complete_cds
u95019_2358-2862,voltage-dependent_calcium_channel_beta-2c_subunit_mrna,_complete_cds
all_x04297_3519-4090,mrna_for_na,k-atpase_alpha-subunit
25 all_x05246_1045-1556,testis-specific_pgk-2_gene_for_phosphoglycerate_kinase_(atp:3-phospho-d-
glycera
all_x53800_377-961,mrna_for_macrophage_inflammatory_protein-2beta_(mip2beta)_
x76942cds_24-420:in_reversesequence,_487-527,mrna_for_72.1_protein
x92518mrna_4077-4127,mrna_for_hmgi-c_protein_
30 x96783mrna_1442-2015,syt_v_gene_(genomic_and_cdna_sequence)_
all_x97058_1042-1565,mrna_for_p2y6_receptor
y08200_1496-2006,mrna_for_rab_geranylgeranyl_transferase,_alpha-subunit
all_z71460_2546-3033,mrna_for_vacuolar-type_h(+)-atpase_115_kda_subunit

35 Metagene 255

d10922_1288-1808,mrna_for_fm1p-related_receptor_(hm63)_
m11567mrna_188-620,angiogenin_gene,_complete_cds,_and_three_alu_repetitive_sequences

Metagene 253

- ab002356_5330-5807,mrna_for_kiaa0358_gene,_complete_cds/gb=ab002356/_ntype=rna_
111701_2320-2609,phospholipase_d_mrna,_complete_cds
- 5** 142374mrna_1836-2389,pp2a_b56-beta_mrna,_complete_cds_
m19508exon#1_2-98,_mpo_frommyeloperoxidase_gene,_exons_1-
4/gb=m19508/_ntype=dna/_annot=exon_
all_m32879_690-1129,steroid_11-beta-hydroxylase_(cyp11b1)_gene,steroid_11-beta-
hydroxylase_(cyp11b1)
- 10** m81182_2831-3314,peroxisomal_70_kd_membrane_protein_mrna,_complete_cds
u25975_1675-1795,serine_kinase_(hpak65)_mrna,_partial_cds
u47686_2174-2747,signal_transducer_and_activator_of_transcription_stat5b_mrna,_complete_cds
all_u67092_1093-1868:not_in_gb_record,ataxia-
telangiectasia_locus_protein_(atm)_gene,_exons_1a,_1b,_
- 15** all_x16609_6641-7241,mrna_for_ankyrin_(variant_2.1)
x51953exon#1-2_37-
64:not_in_gb_record,ucp_gene_for_uncoupling_protein_exonsand/gb=x51953/_ntype=dna_
all_x52228_1631-2103,mrna_for_secreted_epithelial_tumour_mucin_antigen_
x58528mrna_2689-3193,pmp70_mrna_for_a_peroxisomal_membrane_protein_
20 x95808mrna_5503-
6037,mrna_for_protein_encoded_by_a_candidate_gene,_dxs6673e,_for_mental_retardation
z11899cds_446-706:in_reversesequence,_989-
1074,otf3_mrna_encoding_octamer_binding_protein_3b
z22951mrna_717-1231,of_p65_gene_encoding_p65_subunit_of_transcription_factor_nf-kappab_
25 reverse_z68280_34936-
35175,dna_sequence_from_cosmid_125a3,_huntington's_disease_region,_chromosome_4

Metagene 172

- 30** m22430_300-732,rasf-a_pla2_mrna,_complete_cds
u80669_863-1403,androgen_regulated_homeobox_protein_(nkx3.1)_mrna,_complete_cds
z70222cds_3-213:in_reversesequence,_25-37,mrna_for_orf_(clone_icrfp507g2490)

Metagene 123

- 35** d90064_1806-2184,cgm6_mrna_for_cd66b_(nca-95)
m87507_751-1177:in_reversesequence,_1012-1130,_homo_sapien_interleukin-
1_beta_convertase_(il1bce)_mr
m91556_4785-5343,voltage-gated_sodium_channel_mrna,_complete_cds.

u82275_1335-1647,immunoglobulin-like_transcriptmrna,_complete_cds_
x15675mrna_1522-1840,ptr7_mrna_for_repetitive_sequence/gb=x15675_/ntype=ma

Metagene 119

5

d00003_1681-1981,liver_cytochrome_p-450_mrna,_complete_cds,liver_cytochrome_p-
450_mrna,_complete_cds
m74047_1878-2316,steroid_5-alpha-reductase(srd5a2)_mrna,_complete_cds_
s53911_2110-

- 10 2584_cd34=glycoprotein_expressed_in_lymphohematopoietic_progenitor_cells_{alternatively
u42360mrna_867-1346,n33_gene
x54867mrna_783-1293,mrna_for_nkg2-a_gene_
x65663cds_83-137,sox-6_mrna/gb=x65663_/ntype=rna_
y11174cds_48-516:in_reversesequence,_600,mrna_for_rp3_gene/gb=y11174_/ntype=rna_

15

Metagene 118

- d12620_1535-1965,mrna_for_cytochrome_p-450ltbv_
d38522_3436-3958,mrna_for_kiaa0080_gene,_partial_cds_
20 d63861exon#10_90-656,dna_for_cyclophilin_40,_complete_cds
hg831-ht831_at_hg831-ht831_potassium_channel_
j02883mrna_55-493,colipase_mrna,_complete_cds
l40393mrna_1754-2222,(clone_s171)_mrna,_complete_cds
m94172_6837-7328,n-type_calcium_channel_alpha-1_subunit_mrna,_complete_cds_
25 u05589_877-1453,ribosomal_protein_s1_homolog_mrna,_partial_cds_
u08854_1612-2040,udp_glucuronosyltransferase_precursor_(ugt2b15)_mrna,_complete_cds
u16954_1099-1579,(af1q)_mrna,_complete_cds_
u17327_6523-7081,neuronal_nitric_oxide_synthase_(nos1)_mrna,_complete_cds
u35637_8831-9367,nebulin_mrna,_partial_cds/gb=u35637_/ntype=rna
30 u47926_1546-1996,unknown_protein_b_mrna,_complete_cds
u90546_1301-
1344,butyrophilin_(btf4)_mrna,_complete_cds,butyrophilin_(btf4)_mrna,_complete_cds
x02158mrna_949-1219,gene_for_erythropoietin_
all_x06562_3951-4396,mrna_for_growth_hormone_receptor
35 x14474cds_669-710,mrna_for_microtubule-associated_tau_protein
all_x86400_560-1155,mrna_for_gamma_subunit_of_sodium_potassium_atpase
all_x98176_772-1022,mrna_for_mach-beta-1_protein/gb=x98176_/ntype=rna
z69030cds_838-1186,mrna_for_gammaisoform_of_61kda_regulatory_subunit_of_pp2a

Metagene 112

- j04621mrna_2879-3347,heparan_sulfate_proteoglycan_(hspg)_core_protein,_3'_end
all_m27749_245-348,immunoglobulin-related_14.1_protein_mrna,_complete_cds,immunoglobulin-
5 related_14.
all_x51730_4462-5003,mrna_and_promoter_dna_for_progesterone_receptor_

Metagene 89

- 10 hg2139-ht2208_f_at_hg2139-ht2208_beta-1-glycoprotein_1,_pregnancy-specific_
m22403exon#2_1749-2224,blood_platelet_membrane_glycoprotein_ib-
alpha_(gpib)_gene,_complete_cds,_clon
u31201_cds1_at_u31201_u31201,not_in_gb_record,laminin_gamma2_chain_gene_(lanc2),laminin_
gamma2_chain
15 u73167cds#4_1050-1254;in_reversesequence,_13521-
13767;not_in_gb_record,_h_luca14.2a_gene_extracted_f
x58288mrna_4517-4955,hr-ptpu_gene_for_protein_tyrosine_phosphatase_
all_x66276_3221-3734,mrna_for_skeletal_muscle_c-protein

20 Metagene 78

- af005887_1969-
2413,atf_family_member_atf6_(atf6)_mrna,_complete_cds/gb=af005887/_ntype=rna
d00860_1546-2020,mrna_for_phosphoribosyl_pyrophosphate_synthetase_(ec_2.7.6.1)_subunit_i
25 d13370exon#5_193-637,apx_gene_encoding_apex_nuclease,_complete_cds_
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d87989_597-1095,mrna_for_udp-galactose_transporter_related_isozyme_1,_complete_cds_
hg982-ht982_s_at_hg982-ht982_pre-t/nk-cell-associated_protein_1f6
30 j03263_667-1218,lysosome-associated_membrane_glycoprotein_(lamp_a)_mrna,_complete_cds
l04282_1873-2329,caccc_box-binding_protein_mrna,_complete_cds
l15189_1520-2081,mitochondrial_hsp75_mrna,_complete_cds.
l25876_359-785,protein_tyrosine_phosphatase_(cip2)mrna,_complete_cds
l43579_6-
35 403,(clone_110298)_mrna/gb=l43579/_ntype=rna,(clone_110298)_mrna/gb=l43579/_ntype=rna
m24766_1513-2055,(clone_phaiv2-12)_alpha-2_collagen_type_iv_(col4a2)_mrna,_3'_end
m31169cds_2-71,propionyl-coa_carboxylase_beta-subunit_(beta-
pcc)_gene,_partial_cds_(mutant_delta-atc
m34423_1856-2312,beta-galactosidase_(glb1)_mrna,_complete_cds

- m36429_827-1412,transducin_beta-2_subunit_mrna,_complete_cds_
m60891mrna_6-411,uroporphyrinogen_decarboxylase_(uro-
d)_gene,_partial_cds/gb=m60891_/ntype=dna_/anno
m94250exon#4-5_43-301:not_in_gb_record,retinoic_acid_inducible_factor_(mk)_gene_exons_1-
5 5,_complete_
u10323_963-1467,nuclear_factor_nf45_mrna,_complete_cds_
u14417_567-1017,ral_guanine_nucleotide_dissociation_stimulator_mrna,_partial_cds_
u28963_567-1143,gps2_(gps2)_mrna,_complete_cds_
u29171_1340-1742,casein_kinase_i_delta_mrna,_complete_cds
10 u35835_2404-2859,dna-pk_mrna,_partial_cds
u47105_616-1174,h105e3_mrna,_complete_cds
u50553_2647-3079,helicase_like_proteinmrna,_complete_cds
u61734cds_461-628:in_reversesequence,_710-
767,protein_trafficking_protein_(s31iii125)_mrna,_complete
15 u72935mrna#1_7752-
7898,_atrx_gene_(putative_dna_dependent_atpase_and_helicase)_extracted_fromputativ
u73477_440-885,acidic_nuclear_phosphoprotein_pp32_mrna,_complete_cds_
u78722_1523-1965,zinc_finger_protein_165_(zpf165)_mrna,_complete_cds
u81802_2557-3043,ptdins_4-kinase_(pi4kb)_mrna,_complete_cds
20 x54199mrna_2616-3006:in_reversesequence,_3118,mrna_for_gars-airs-gart_
x55448exon#13_150-670,_g6pd_gene_(glucose-6-
phosphate_dehydrogenase)_extracted_fromg6pd_gene_for_glu
x55544cds_350-626:in_reversesequence,_984-1110,cdna_for_treb_protein
x55885mrna_587-1049,mrna_for_a_presumptive_kdel_receptor_
25 x58521cds_1250-1544:in_reversesequence,_1701-1785,mrna_for_p62_nucleoporin
x66397cds_6605-6977:in_reversesequence,_7352-7442,tpr_mrna
all_x66503_1125-1690,adenylosuccinate_synthetase_mrna
all_x78925_1966-2447,hzf2_mrna_for_zinc_finger_protein_
x90872cds_288-600:in_reversesequence,_799,mrna_for_gp2512_protein_
30 z49107cds_619-947:in_reversesequence,_1046-1259,mrna_for_galectin_
z54367cds_13580-14031:in_reversesequence,_14140,gene_for_plectin
z97054cds#2_428-
968,dna_sequence_from_pac_339a18_on_chromosome_xp11.2contains_kiaa0178_gene,_similar
35 Metagene 58
x02544cds_256-544:in_reversesequence,_688-772,mrna_for_alpha1-
acid_glycoprotein_(orosomuroid)_
all_x78932_421-976,hzf9_mrna_for_zinc_finger_protein_

CLAIMS

What is claimed is:

1. A classification tree model incorporating Bayesian analysis for the statistical
5 prediction of binary outcomes.
2. The tree model of claim 1, wherein the prediction of a binary outcome is dependent on the interaction of data comprising at least two predictor variables.
3. The tree model of claim 2, wherein the data arises by case control design such that the number of 0/1 values in the response data is fixed by design.
- 10 4. The tree model of claim 3, such that the case control design assesses association between predictors and binary outcome with nodes of a tree.
5. The tree model of claim 4, such that the Bayesian analysis comprises using sequences of Bayes factor based tests of association to rank and select predictors that define a node split.
- 15 6. The tree model of claim 5, further comprising the forward generation of at least one class of trees with high marginal likelihood, wherein the prediction of said class of trees is conducted using principles of model averaging.
7. The tree model of claim 6, wherein the principle of model averaging comprises the steps of:
20 weighted prediction of a tree by determining its implied posterior probability by a score;
evaluation of the score to exclude unlikely trees;
evaluation of the posterior and predictive distribution at each node and leaf of a tree;
and
25 application of said posterior and predictive distribution to the evaluation of each tree and the averaging of predictions across trees for future predictive cases.
8. The tree model of claim 1 or 2, wherein the binary outcome is a clinical state.
9. The tree model of claim 1 or 2, wherein the binary outcome is a physiological state.
- 30 10. The tree model of claim 1 or 2, wherein the binary outcome is a physical state.
11. The tree model of claim 1 or 2, wherein the binary outcome is a disease state.

12. The tree model of claim 1 or 2, wherein the binary outcome is a risk group.
13. The tree model of claim 1 or 2, wherein the data is biological data.
14. The tree model of claim 1 or 2, wherein the data is statistical data.

Figure 1

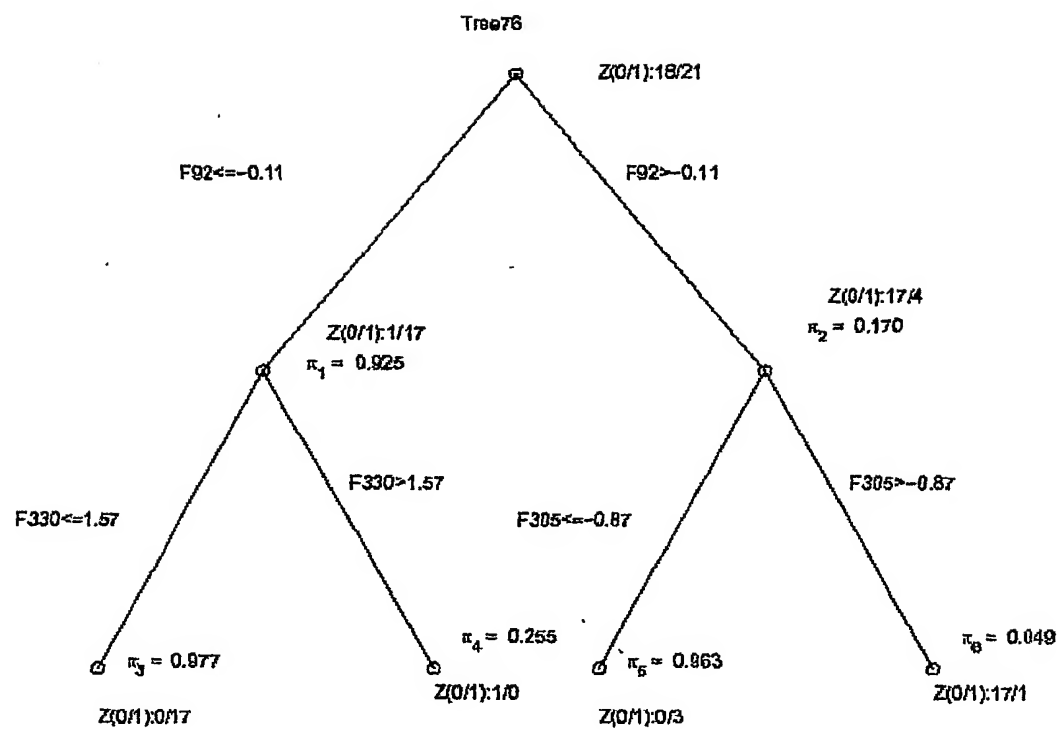


Figure 2

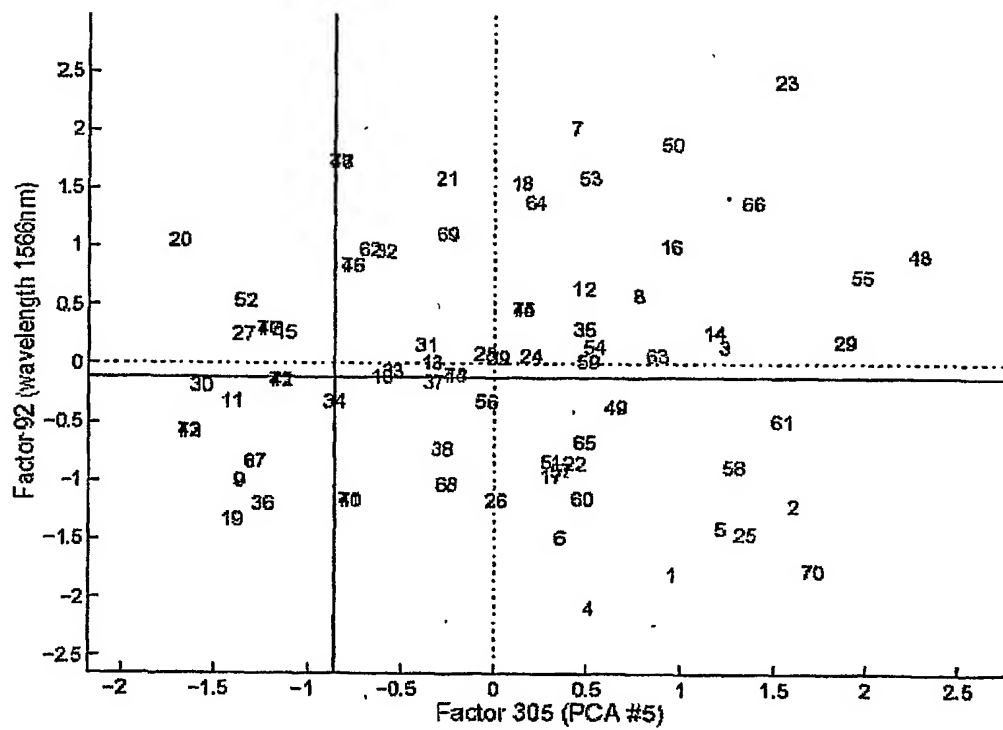


Figure 3

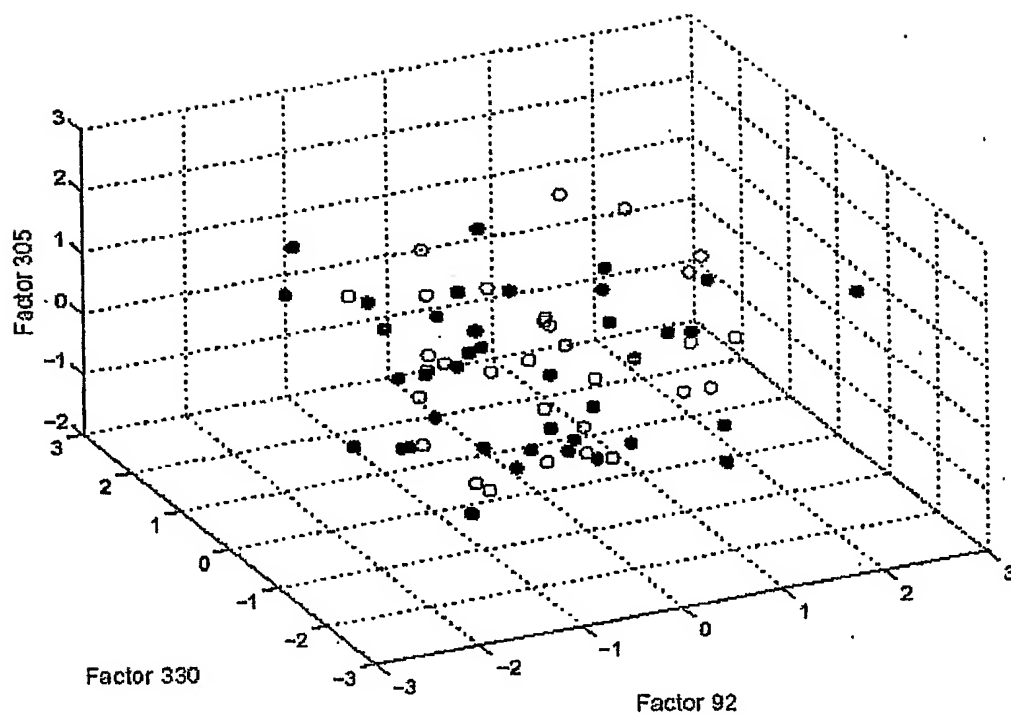


Figure 4

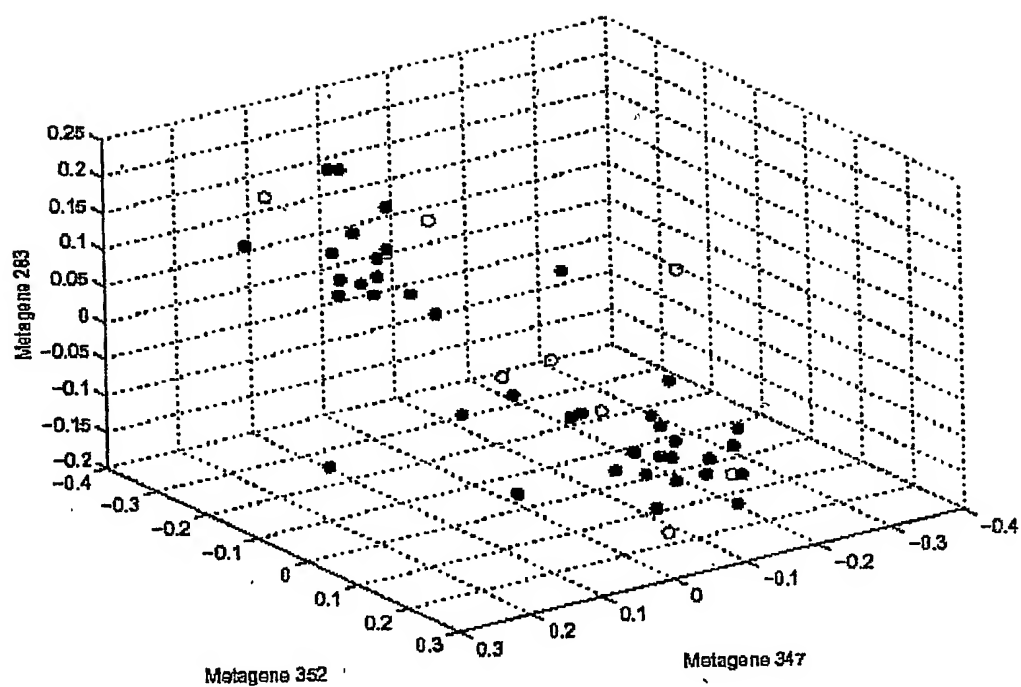


Figure 5

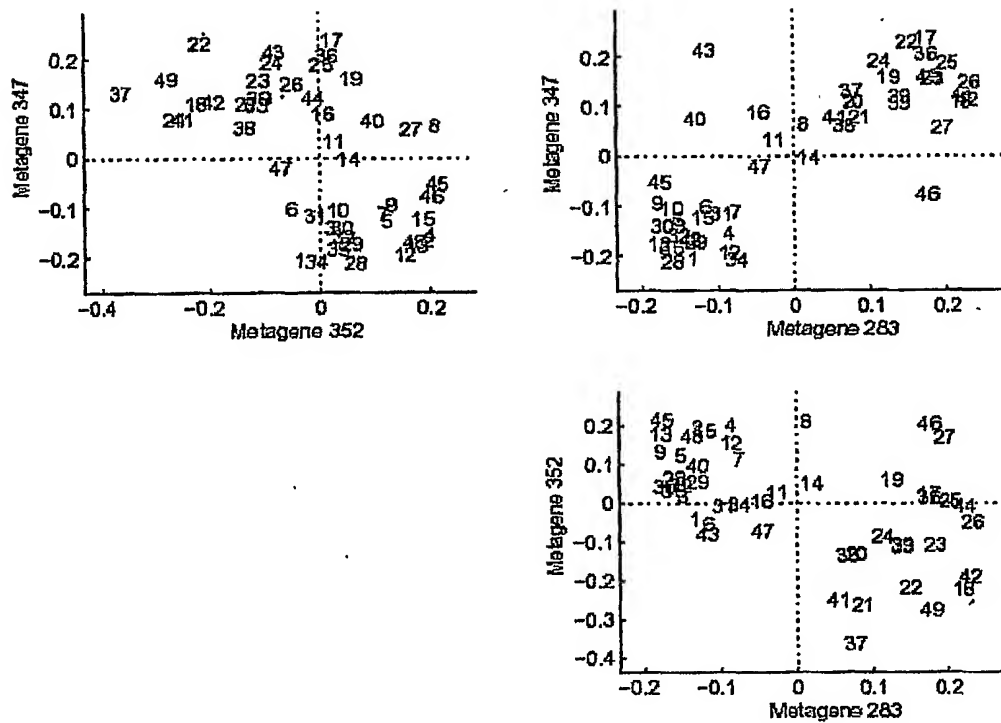


Figure 6

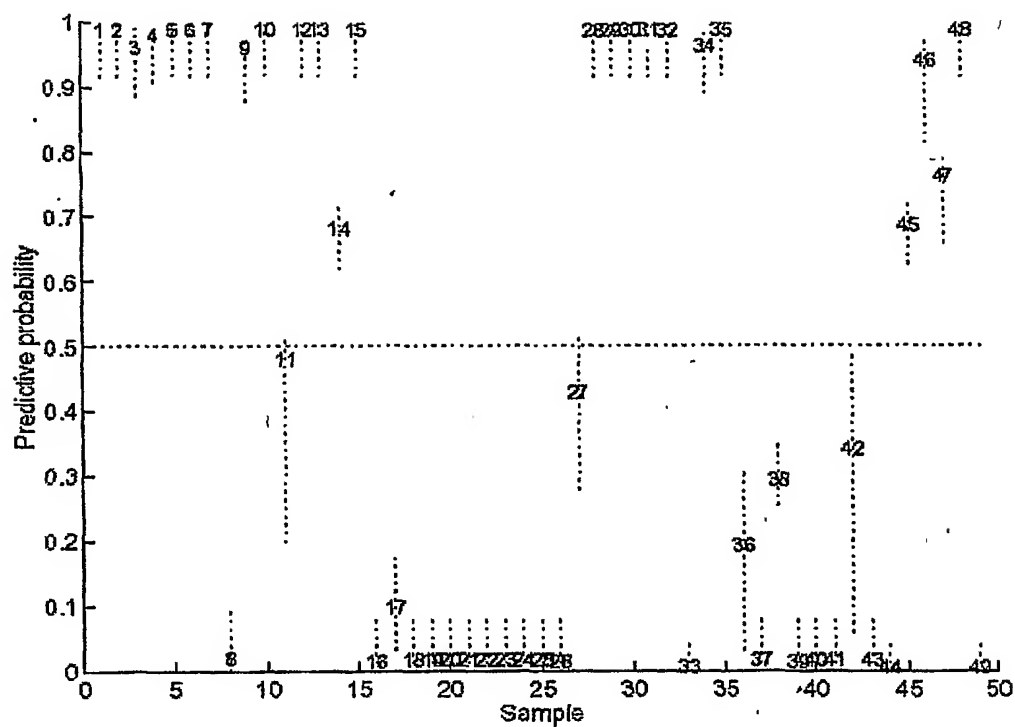


Figure 7

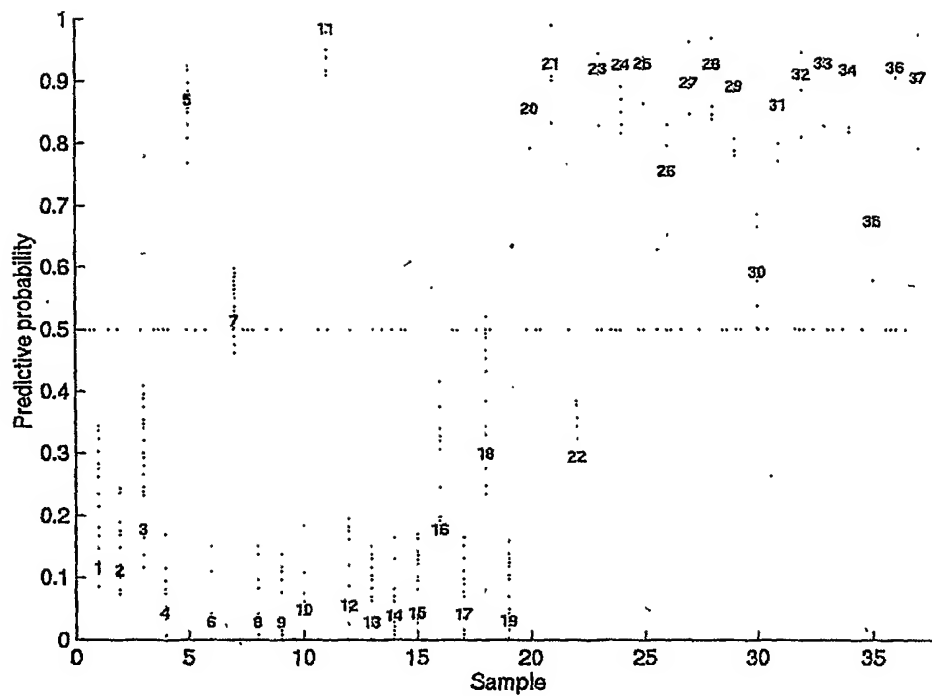


Figure 8

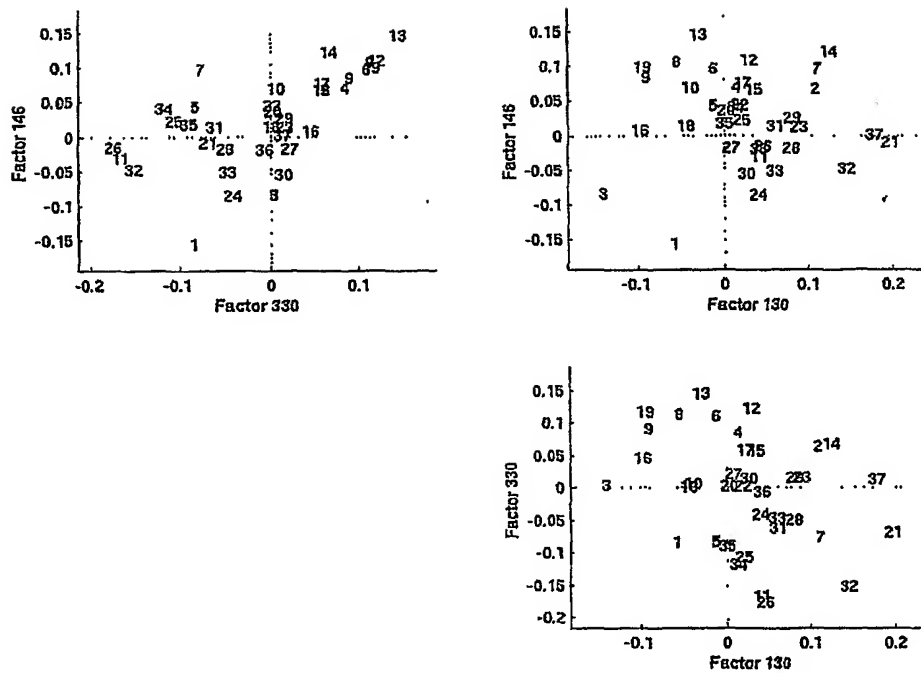


Figure 9

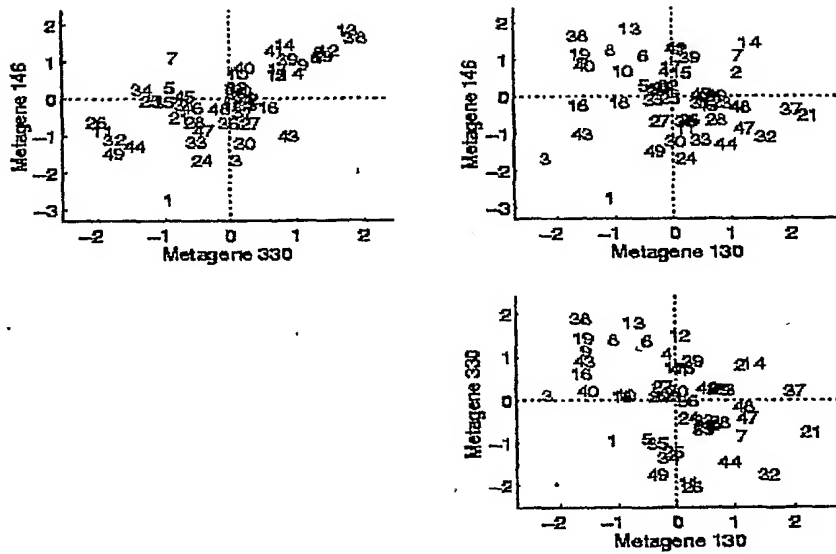
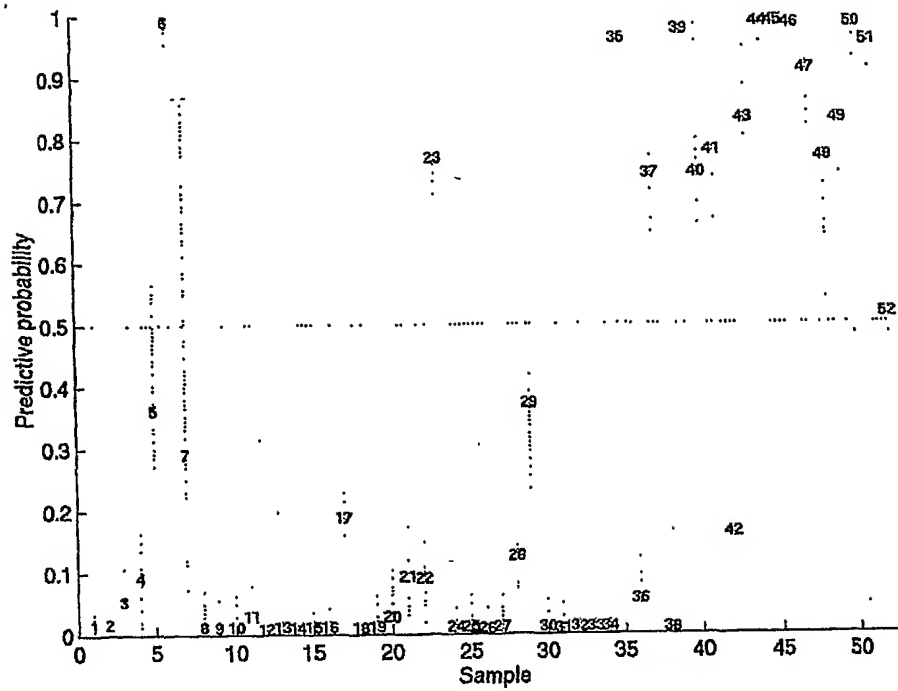


FIG. 10



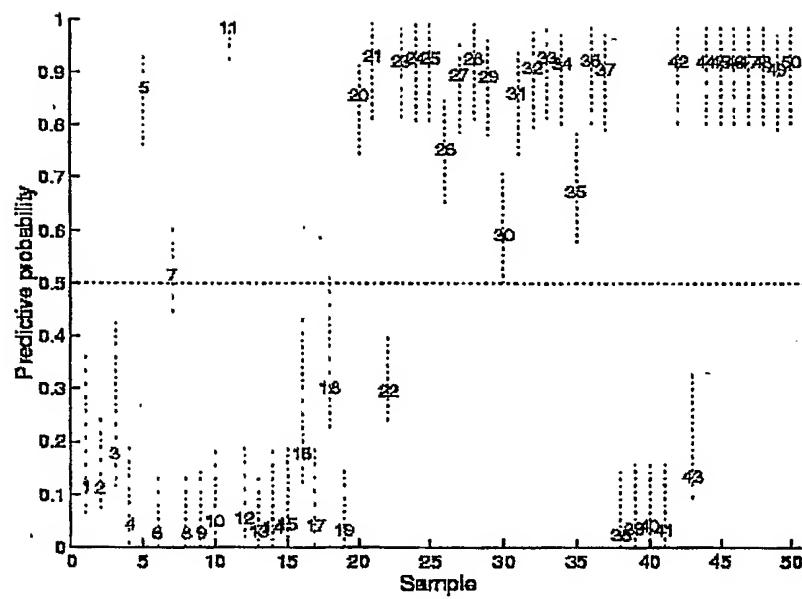


Figure 11

FIGURE 12.

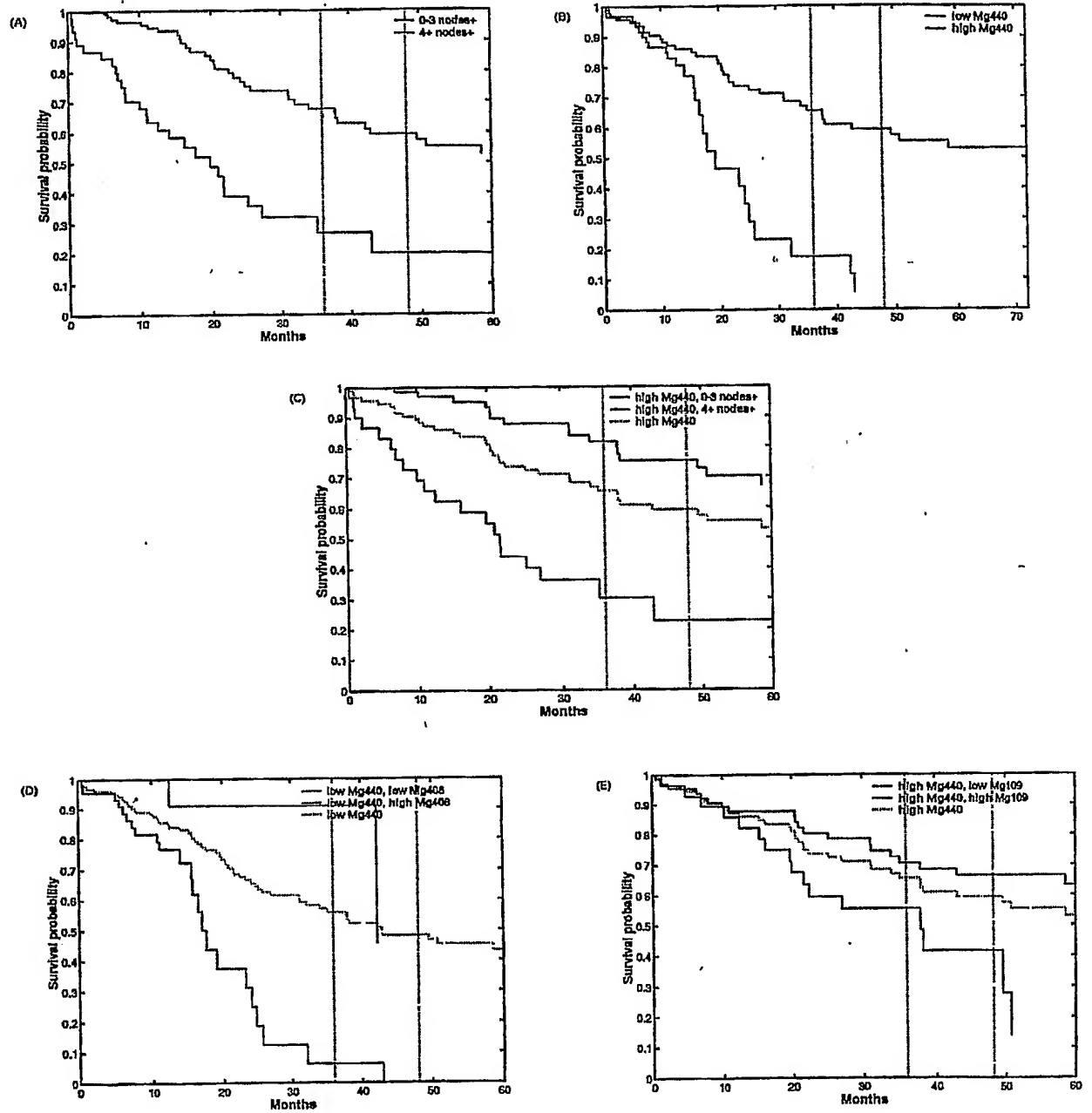
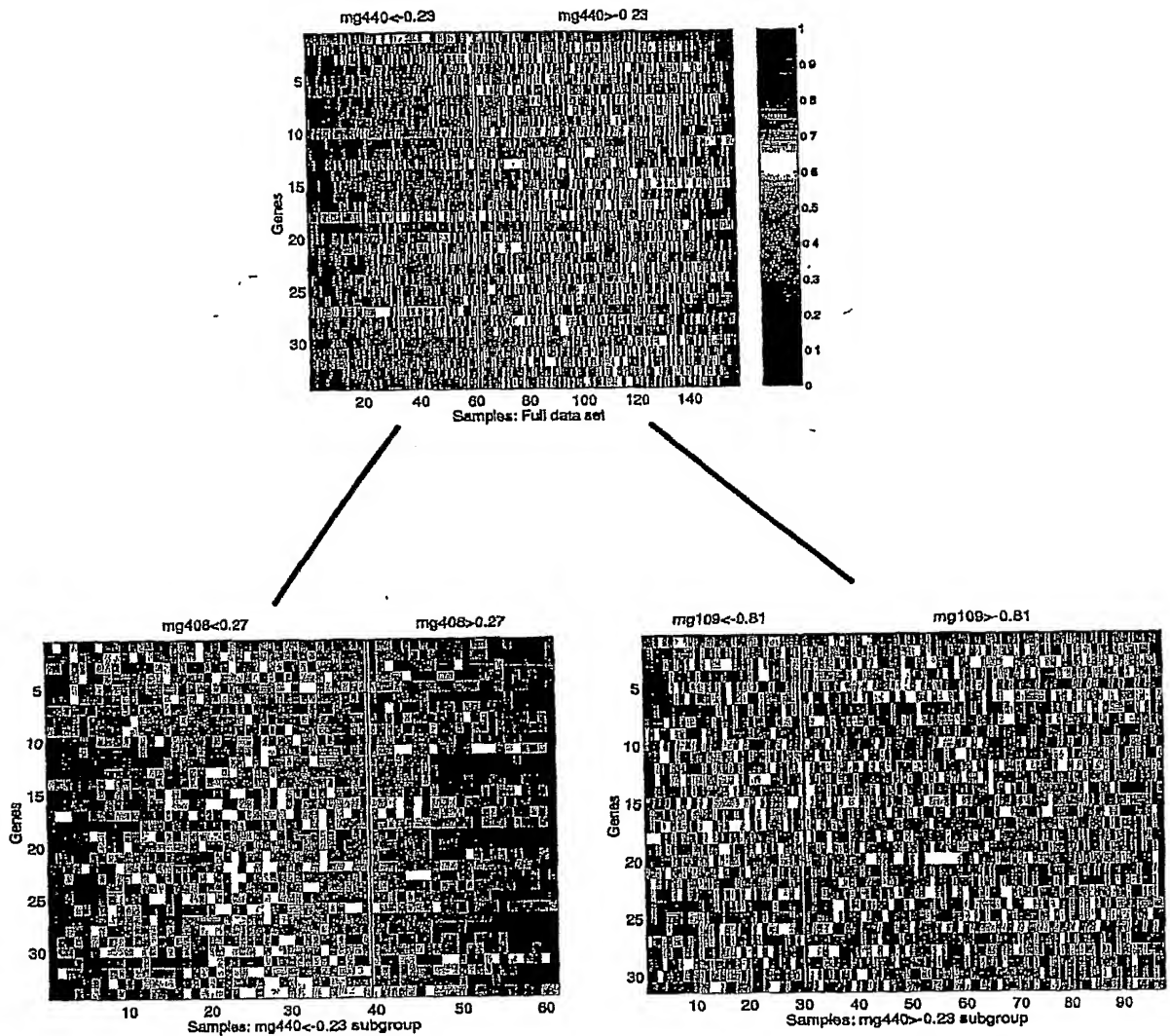
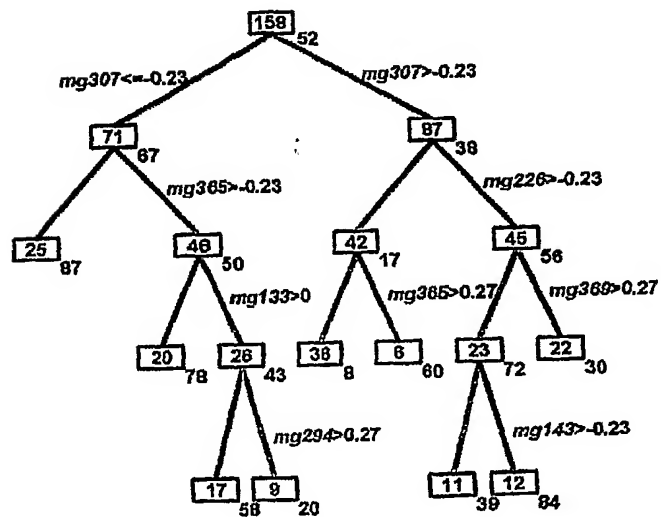
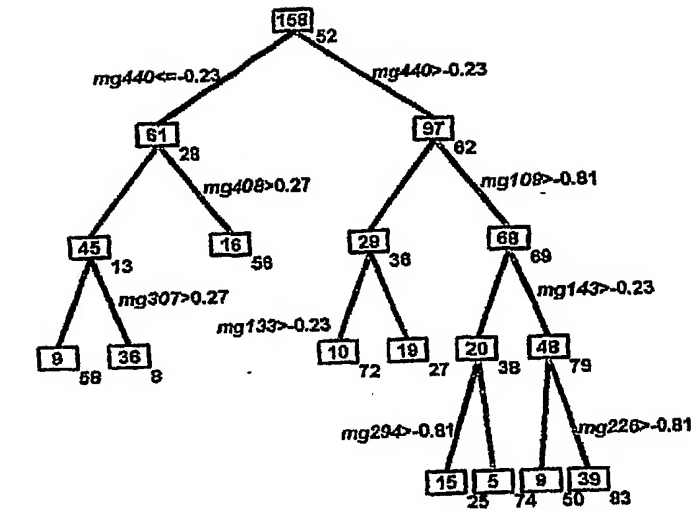
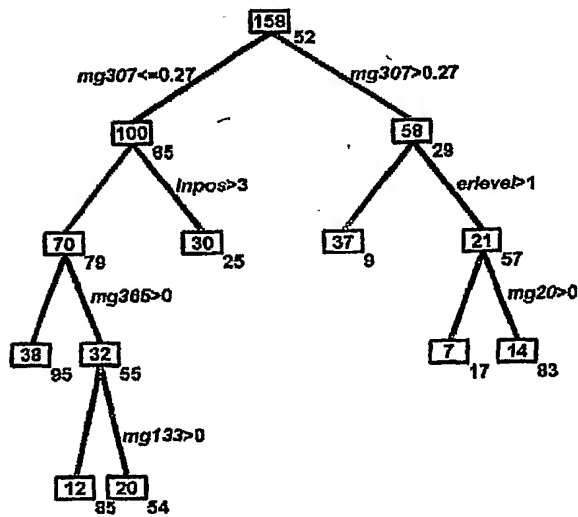
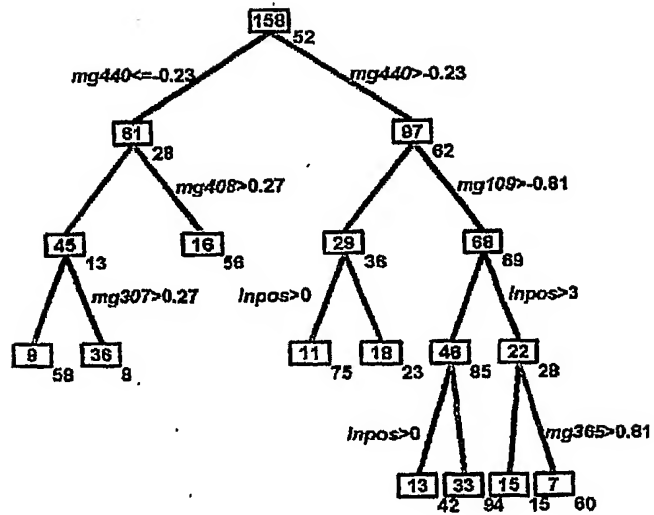


FIGURE 13

14
FIGURE 1(A)



14
FIGURE 8(B)



15
FIGURE 4(A)

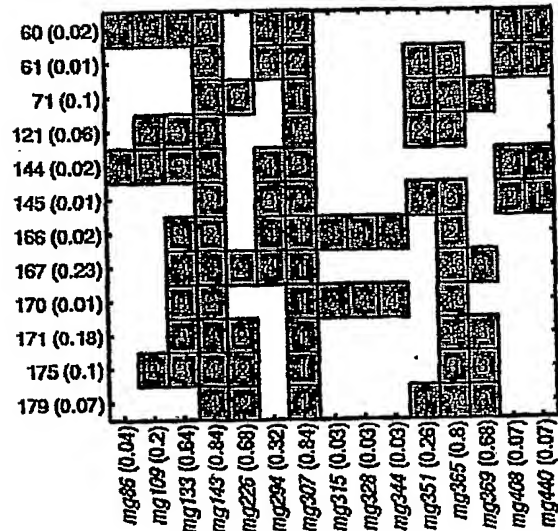
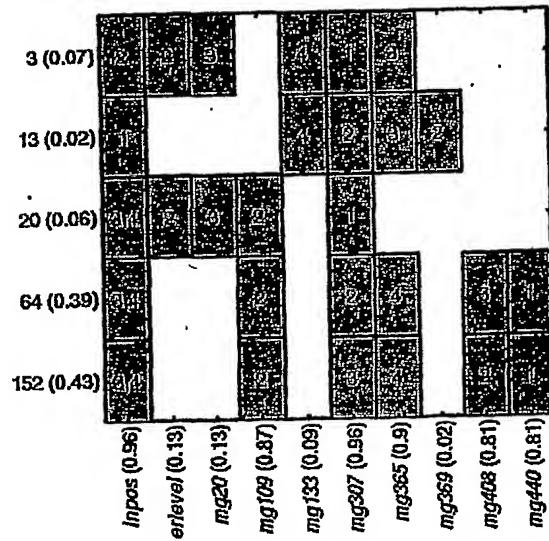


FIGURE 4(B)



110
FIGURE 5(A)

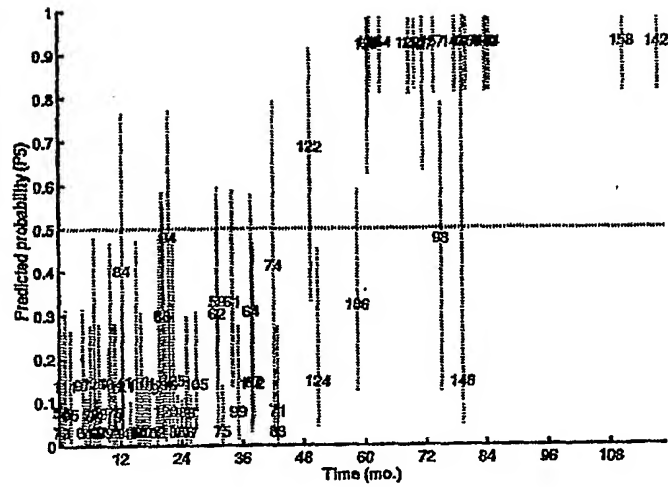


FIGURE 17

